Volume 160 No. 15

Oil, Paint and Drug Reporter

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October 8 1951

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Explosives Transport Rules Change Asked

A series of amendments to the regulations of the Interstate Commerce Commission covering the transportation of explosives and other dangerous articles by rail have been submitted to the commission by interested shippers with a request that they be given early approval, it was announced October 2.

Ordinarily these changes would be considered by the commission at its next hearing on docket No. 3666, but in view of the request that consideration be expedited, the commission has fixed October 16 as the deadline for interested persons to notify the commission of their desire to be heard on the amendments.

The changes propose to add a number of items to the commodity list of explosives and other dangerous articles which sets out certain marking and packing requirements. The following additions are made to the list:—

Aliphatic mercaptan mixtures, classed as a flammable liquid requiring a red label and limited to a maximum shipment of ten gallons in one outside container when moved by rail express.

Amyl mercaptan, classed as a flammable liquid requiring a red label and limited to ten gallons per single shipment.

Beryllium metal powder, classed as a poison "B" material requiring a poison label and limited to twenty-five pounds per single shipment.

Butyl mercaptan, classed as a flammable liquid requiring a red label and limited to ten gallons per single shipment.

Ethyl mercaptan, classed as a flammable liquid requiring a red label and limited to ten gallons per single shipment.

Hexaethyl tetraphosphate, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Hexaethyl tetraphosphate mixture, dry,

—Continued on page 39

NSRB Gets Chairman

Jack O. Gorrie, acting chairman of the National Security Resources Board since W. Stuart Symington resigned in April to become chairman of the Reconstruction Finance Corporation, has been nominated by President Truman as chairman of NSRB.

Delaney Seeks Expansion Of Chemicals Use Probe

An investigation into the use of chemicals in cosmetics was proposed October 4 in a resolution introduced in the house by Representative James J. Delaney of New York, on behalf of the select committee to investigate the use of chemicals in food products.

Mr. Delaney said that the committee has received many complaints about synthetic ingredients in hair preparations and other cosmetics, which are supported by a report from the Food and Drug Administration on new developments in this field.

The investigation proposed would be an extension of the inquiry which the committee has been conducting over the past two years on the use of chemicals in foods, and will not require any further appropriation of funds, the congressman said. Hearings will be reopened by the committee in Washington, October 9.

DPA Issues Additional Certificates of Necessity

The Defense Production Administration announced the issuance of tax amortization certificates October 4 for expansions of production of several products in the chemical field, as follows:

Chemical products—Dow Chemical Company, Midland, Mich., three certificates covering from 50 percent to 76 percent of the cost of the facilities.

"Epon" resins—Shell Chemical Corporation, Houston, Tex., from 15 to 85 percent of the cost.

Monochlorobenzene—Southern Alikali Corporation, Natrium, W. Va., 60 percent of the cost.

Oxygen—Whitmore Oxygen Company, Salt Lake County, Utah, 60 percent of the cost.

Sodium chlorate—Oldbury Electro-Chemical Company, Niagara Falls, N. Y., 70 percent of the cost.

Sulphur—Sinclair Refining Company, Marcus Hook, Pa., 80 percent of $320,000; Mathieson Chemical Company, McKamie, Ark., 80 percent of $198,990; Shamrock Oil & Gas Corporation, Sunray, Tex., 80 percent of $195,500; Phillips Chemical Company, Funica, N. Mex., 80 percent of $1,498,000.

Price Trend in Slight Decline

With some weakness appearing in prices for oils and fats, botanicals and essential oils, the overall index number for chemicals, oils and drugs was dropped 0.2 point last week. It stood at 11.3 points above that of this time last year.

Among the highlights were advances in cobalt, lead and zinc, and the big question was whether or not increases in prices of metal-based chemicals would be allowed to offset this higher cost. The silver bullion decline was the first change in several months. The overall demand for heavy chemicals was holding at about the summer level. First hand stocks of soda ash were increasing and there was no shortage of caustic soda. Carbon tetrachloride remained tight.

Demand for oils and fats remained light. Advances in castor, oiticica and tung oils were offset by reductions in candelilla, carnauba and ouricury waxes, and cottonseed, palm and peanut oils. Increased prices for triphenyl phosphate featured the market for protective coating materials. Some producers were quoting polystyrene at higher prices. The advance in metals had not, as yet, been reflected in lead and zinc pigments and cobalt oxide and salts. Quicksilver red vermilion prices were raised.

In the market for drugs and fine chemicals, cocoa butter, milk powder and USP castor oil were advanced. On the declining side were the sorbitan stearates and polyoxyethylene sorbitan stearates, reflecting the weakness of stearic acid. Menthol continued its downward move and prices were largely nominal.

Among the coaltar chemicals, prices were boosted on orthochloroparanitroanilin, orthochlorophenol, parachlorophenol, paraphenylphenol, paratertiarybutylphenol, pentachlorophenol and sodium pentachlorophenate, while a reduction was made in orthocresotinic acid. In addition, some producers advanced quotations on synthetic phenol, styrene monomer, hydroquinone and parachloro-orthonitroanilin.

Sharp advances in 2,4-D and the isopropyl ester featured agricultural chemicals. A substantial price decline was made in allethrin due to expanded production. Textile and leather chemicals remained steady, with bichromates and sodium hydrosulphite tight. One producer advanced acetic anhydride, effective November 1. Feature of the sizing materials was an advance in potato starch by Maine grinders. One producer of domestic chestnut extract announced a price rise which was not met by others.

Demand for botanical drugs improved moderately, although the call for condimental drugs was very light. Prices for drug items moved almost exclusively downward, being about evenly divided between domestic and foreign botanics. Business in essential oils and aromatic chemicals continued active as consumers sought material for winter season preparations. Prices of most items were stable now that summer crops were in and producers could determine the supply-demand picture for the coming months.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

Oct. 5, 1951	Sept. 28, 1951	July 1, 1950	Oct. 6, 1950
148.9	149.1	121.1	137.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1951	1950	1947	1946	1941
January	150.8	123.2	150.9	135.3	107.3
February	152.7	121.3	151.9	135.4	110.3
March	154.3	121.8	154.9	135.2	111.9
April	154.4	121.0	152.3	134.9	115.5
May	153.7	120.6	146.1	135.1	118.2
June	151.4	120.7	143.9	135.4	121.9
July	149.0	122.8	142.5	137.7	125.5
August	148.2	128.8	140.4	136.6	128.2
September	149.3	135.1	141.9	137.0	130.4

Chemical Industry Given DTA Assurance on Tankcar Supplies

The Defense Transport Administration has no qualms about the future supply of tankcars being sufficient to meet the needs of the expanding chemical and petroleum industries. A comprehensive survey of the situation just completed by the agency brought the prediction October 3 from R. H. Lamberton, DTA's special consultant on liquid transport, that even though tankcar production is from three to five months behind schedule, the cars will be available when needed.

Mr. Lamberton's report, titled the "Tank Car Story," stated that as of September 1, 1951, there were 9,540 tankcars on order undelivered, and 3,445 new cars had been delivered since Janury 1, 1951, which were about evenly divided between petroleum and non-petroleum services. During all of 1950 only 1,684 new cars were constructed.

The cars on order by petroleum, chemical and miscellaneous users, said Mr. Lamberton, represent as accurate a total of the near-term needs for tankcar transportation as can be ascertained at this time. These orders, he pointed out, reflect planned increases in production of existing plants, and production to come from new plants during 1951 and early 1952. If there is any serious shortage it will be due to a slippage in the requested production of 900 cars per month, or because unforeseen demands for this type of transportation arise suddenly, he stated. Tankcar production hasn't reached the 900-cars per month goal yet, he admitted.

The report shows a total of 149,973 tankcars owned in the United States, 8,726 by the railroads and the rest by private industries and government. Of the total, 94,825 are in petroleum service, 27,333 in chemical service, and 19,089 engaged in transporting vegetable oils, fats, fish oil, and other miscellaneous services. There are 10,307 liquefied petroleum gas cars and about 4,600 chemical pressure cars.

Strikes and other interruptions to transportation, Mr. Lamberton said, make it difficult to draw definite conclusions, but it is safe to say that 10 percent greater efficiency could be achieved by drastic regulatory action than is being accomplished at present. This would probably mean the equivalent of 8,000 or 9,000 additional general purpose tankcars.

Mr. Lamberton's forecast of the general tankcar situation for the next six months, subdivided according to industrial user, is as follows:—

Petroleum Industry

There will be enough general purpose cars for over-all clean petroleum service.

—Continued on page 39

Tungsten Duty Suspension Voted by House Committee

The house ways and means committee voted October 1 to suspend the import duties of tungsten for a period of two years. The suspension would apply to articles in subparagraphs (c), (g), and (h) of paragraph 302 of the tariff act of 1930, and to articles containing more than 50 percent of tungsten or tungsten carbide in subparagraph (b) of paragraph 316.

The duty suspension is provided for in H. R. 5248 which was ordered favorably reported by the committee. An amendment was made in the bill, however, that should the average monthly price of tungsten drop below $63 per short ton for any one month, the duties shall go back into effect. The bill is scheduled to come up in the house soon for passage.

Coincident with the committee's action, the International Materials Conference announced that a plan for world allocation of both tungsten and molybdenum during current fourth quarter is now being studied by member governments and as soon as approval is given, the plan will be put into operation.

It was announced at the same time that it has been recommended to the member governments that the existing price arrangements for tungsten, which were established for the third calendar quarter, be continued for a brief period while longer-term arrangements of a more general character are worked out. The pricing arrangement now being followed fixes a maximum price of $65 a ton for producers and a minimum of $55 for importers.

Sulphuric Acid Gets Export Quota for October-December

Sulphuric acid has been placed under an export quota for the fourth quarter of this year, and shipments out of the country will be limited by the Office of International Trade to 900,000 pounds during the period.

This is the first time that sulphuric acid has been placed under a quantitative quota by the agency, although it has been on the positive list and exports have been under close supervision for a long time. The quota has been established to support the program of the International Materials Conference of encouraging countries to conserve sulphur.

The quota includes all grades of the acid and the reference to sulphuric acid in the positive list has also been modified to include all grades. Heretofore, the positive list covered only sulphuric grading 93.2 and higher. The 900,000-pound quota is to be figured on a 100 percent H_2SO_4 basis.

OIT also announced an export quota of 40,000 pounds for this quarter and the same amount for the first quarter of 1952 for bismuth matte, slimes, residues and base bullion, and for bismuth metals metalloys.

Coal Chemical Price Rule Extended to December 31

The Office of Price Stabilization has extended to midnight, December 31, the expiration date of Supplementary Regulation 13 to the General Ceiling Price Regulation, which permits producers of all grades of coke, coal chemicals and coke oven gas to adjust their ceiling prices to reflect increased delivered costs of raw materials.

SR 13 would have expired, by its own terms, September 30. OPS officials said they had expected to have a permanent regulation by that date but they find additional time is needed to complete its preparation. The action, contained in amendment 4 to SR 13, also extends to December 31 the limitation on the authority of producers to increase their operating margins above those which prevailed during the period January 1 to December 31, 1950 inclusive.

OPS Ruling Now Includes Natural Methanol Antifreeze

Antifreeze made of natural methanol which may be offered for sale this season will carry the same dollars-and-cents ceiling prices as antifreeze made from synthetic methanol, the Office of Price Stabilization provided October 3. Such antifreeze will be classified as Type S or Type SC, depending on the concentration.

As in the case of other antifreezes, packagers of this antifreeze are required to mark containers with the type, strength, and retail ceiling price.

When CPR 57 covering antifreeze was issued July 30, no specific ceiling was provided for antifreeze made of natural methanol because sufficient information on costs and prices was not available. Since then, some manufacturers have reported they intend to produce a natural methanol antifreeze and demonstrated that ceilings prescribed for Type S and SC are appropriate. The definitions of Type S and Type SC antifreeze have, therefore, been broadened to include the natural methanol product, OPS said.

Lead, Zinc Ceilings Raised

The Office of Price Stabilization last week set ceiling prices for imported and domestic lead and zinc metals, ores and concentrates. The basic price for imported lead was set at 19 cents a pound, f.o.b. New York, and the basic price for imported zinc at 19½ cents a pound, f.o.b. East St. Louis.

At the same time, OPS increased domestic lead and zinc prices two cents a pound above prices established by domestic sellers under the General Ceiling Price Regulation (GCPR). This will bring the general level of domestic prices to the level of prices established for imported materials.

Pesticides Supply Outlook Held Favorable; Lead Arsenate Short

Except for the shortage of lead for making lead arsenate, the outlook for supplies of pesticides to meet the needs of the next crop year "is good," according to testimony given to the senate agricultural committee by Kenneth H. Klipstein, director of the chemical division of the National Production Authority.

Mr. Klipstein said that production of lead arsenate is being cut this month to 47½ percent of the base period for those producers who use soft lead, and the outlook is definitely not good, based on information supplied by the tin, lead and zinc division of NPA. But as to supplies of copper sulphate, chlorinated pesticides and the important fumigants and herbicides, it is believed that adequate supplies will be available, he said.

Lea S. Hitchner, executive secretary of the National Agricultural Chemicals Association, who also testified before the committee on the pesticide situation, reported that requirements of lead arsenate for 1951-52 are approximately 40,000,000 pounds and current inventory is about 5,000,000 pounds. He urged early action in determining the amount of lead that will be available to the pesticide industry for the new year so that production plans can be made.

Requirements for chlorinated insecticides for 1951-52 were estimated by Mr. Klipstein at 345,000,000 pounds, including 80,000,000 pounds for export. The total includes 105,000,000 pounds of DDT, 125,000,000 pounds of benzene hexachloride (12.5 percent) and 115,000,000 pounds of chlorinated insecticides. The total is an increase of 25 percent over last year.

Copper Sulphate Seen Adequate

To produce the 345,000,000 pounds of these types of insecticide it will require 175,525 tons of chlorine and 19,000,000 gallons of benzene, equivalent to approximately 8 percent of the total chlorine production and 10 percent of the available benzene.

The NPA chemical director told the committee that it is expected that the supply of copper sulphate will be adequate. Production for this year is estimated at 210,000,000 pounds, of which 165,000,000 pounds will be used for do-

—Continued on page 82

Du Pont and ICI Found Guilty in Trust Law Case

E. I. duPont de Nemours & Co., Wilmington, Del., the American and British concerns of Imperial Chemical Industries, Ltd., and Remington Arms Company, were founty guilty of anti-trust law violations, in a decision handed down in United States District Court at New York September 28. They were found to have "engaged in combination and conspiracy in restraint of trade and commerce in chemical products, sporting arms and ammunition."

According to prosecuting attorneys, the government will now ask the court for relief to open to all manufacturers duPont's patents on nylon, neoprene and "Polythene." Other products involved include compounds of cellulose, paints, varnishes, lacquers, pigments, colors, fertilizers and insecticides.

The court found that the defendants entered into agreements to divide world territories for their products, had succeeded in eliminating competing firms, agreed to not compete among themselves, and owned six companies jointly all over the world, "the effect of which was to restrain trade."

Under the court's ruling both the government and the defendants have thirty days in which to enter suggestions to the court as to how to remedy the violations of the Sherman antitrust law found by the court.

Rohm & Hass Co. Has New Aliphatic Amines

Three new high molecular weight aliphatic amines, and a new amine acetate, have been announced by Rohm & Haas Company, Philadelphia. At the same time, the prices of the previously announced members of the series have been reduced by 10 to 15 cents per pound, or 15 to 20 percent.

The new amines are designed alkylamine "JM-R," alkylamine "JM-T" and alkylamine "81-T." Alkylamines "JM-R" and "JM-T" are refined and technical grades of a tertiary alkylamine averaging eighteen carbon atoms in length. The new amine acetate is the derivative of alkylamine "JM-T." Alkylamine 81-T is a technical grade of a refined tertiary alkylamine containing twelve to fifteen carbons. Also available in the series is tertiary octylamine, an eight carbon, refined grade. All members of the amine series have now graduated from the pilot-plant stage, and are now available in truck-load quantities at new, reduced prices, according to C. E. Denoon, jr., manager of Rohm & Haas's special products department.

Knollys Elected Head Of IMC Central Group

Viscount Knollys, minister in charge of raw materials at the British Embassy, has been elected as chairman of the central group of the International Materials Conference, it was announced October 2. Lord Knollys, who is British representative on the central group, replaces Edwin T. Gibson, United States representative, who has resigned both as chairman and delegate.

G. J. Ticoulat, newly-appointed deputy administrator of the Defense Production Administration, has been named to succeed Mrs. Gibson as US representative on the central group. Mr. Ticoulat formerly was deputy assistant administrator of the National Production Authority.

There are eight countries and two international organizations represented on the central group—Australia, Brazil, Canada, France, India, Italy, United Kingdom, United States, Organization of American States, and Organization for European Economic Cooperation.

Solvay Offers 1952 Contracts For Soda Ash, Caustic Soda

The Solvay Sales Division of Allied Chemical and Dye Corporation, New York, is negotiating contracts for the calendar year 1952 on soda ash and caustic soda at prices which are now in effect.

Tung Oil Ass'n Outlines Oct. 11-12 Meeting Agenda

The American Tung Oil Association has outlined plans for its eighteenth annual convention, to be held October 11 and 12 at the Buena Vista hotel, Biloxi, Miss.

The meeting will be opened on the morning of the eleventh by a welcoming address by the mayor of Biloxi. A review of tung oil research will then be presented by members of the staff of the Southern Regional Research Laboratory, New Orleans, La., and the Tung Oil Laboratory, Bogalusa, La. Other technical papers to be presented that morning will include reports by staffs of the US field laboratory for tung investigations, University of Florida and Mississippi State College. A group luncheon will be held at noon, followed by a business session and election of officers and directors for the coming year. The banquet will be held that evening at 8 p.m.

Proceedings on the twelfth will get under way with a general open forum discussion of tung problems. This will be followed by a picnic and an exhibit and demonstration of all types of machinery used in production and harvesting of tung.

Cosmetic Chemists Fall Meeting Set December 6

The fall meeting of the Society of Cosmetic Chemists will be held December 6 at the Biltmore hotel, New York. This will be the regular annual meeting at which technical papers will be read and discussed. Communications concerning technical papers should be addressed to the chairman of the program committee, Dr. Donald H. Powers, Warner-Hudnut, Inc., 113 West 18th street, New York.

Oil Trades Ass'n to Hold Annual Banquet October 30

The Oil Trades Association of New York will hold its thirty-sixth annual banquet October 30 at the Waldorf-Astoria hotel, New York. A reception will be held at 6:30 p.m., with an informal dinner following at 7:45 p.m. The price is $12.50 to members and $17.50 to guests. Reservations for tickets and tables must be made with Gordon L. Benjamin, 17 Battery place, New York 4, by noon, October 26.

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Oronite Development Mgr.

Dr. W. E. Elwell has been appointed manager of eastern product development of the Oronite Chemical Company, a wholly-owned subsidiary of Standard Oil Company of California, San Francisco, Calif. He will make his headquarters at 30 Rockefeller Plaza, New York. With the company and its subsidiaries for the past thirteen years, Dr. Elwell most recently was supervisor of chemical products for California Research Corporation, another wholly-owned subsidiary of California Standard.

CCC Selling Linseed, Milk Powder; Flax Withdrawn

The Commodity Credit Corporation announced October 1 that it has withdrawn its stocks of flaxseed from the market for sale for domestic uses during October but is continuing to offer linseed oil and nonfat dry milk solids.

The linseed oil is still being offered at the market price on the date of sale. The stocks available amount to 216,000,000 pounds. The nonfat dry milk solids being offered is the spray process type, 40,000,000 pounds in carload lots only at a price of 15¾ cents per pound, in store at location of the stock.

Prospective purchasers of the linseed oil and dried skim milk must certify that the price paid to CCC does not exceed the highest ceiling price they could pay any of the usual suppliers for the commodity in the quantity and at the place and season that delivery is made. The linseed oil and skim milk were on the October sales list for domestic uses only. No sales of these products are being made for export.

Hooker Appoints Moffitt Tacoma Works Manager

Bjarne Klaussen, executive vice-president of Hooker Electrochemical Company, has announced the appointment of Thomas E. Moffitt to the position of works manager of the Tacoma, Wash., plant. Mr. Moffitt succeeds John D. Rue, who has retired under the company's pension plan. Other promotions announced at the Tacoma plant are George Gentes to plant engineer, succeeding Howard D. Norris, retired; Edwin A. Adams, purchasing agent; Chester D. Roberts, traffic manager, succeeding Carl A. Stewart, retired, and Russell Hansen, master mechanic, succeeding Andrew K. Hansen, retired. Albert H. Hooker is western sales manager of Hooker Electrochemical Company, Tacoma.

Skuce Leaves NPA

Walter C. Skuce has resigned his post as assistant administrator for production controls of the National Production Authority to return to private business, it was announced October 2. William C. Truppner, deputy assistant administrator for production controls since last April, has been named acting administrator for production controls. Mr. Skuce joined NPA last December to develop the Controlled Materials Plan, now in full operation, with the understanding that he would be released July 1, when the plan went into effect. He stayed three additional months to see CMP through its first calendar quarter.

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Capehart Amendment Killed in Senate Vote

The senate scrapped the Capehart amendment to the defense production act October 4, voting 49 to 21 in favor of a substitute proposal that would rule out appeals for individual price ceilings except in hardship cases.

The new formula was originally made to the senate banking and currency committee by the Office of Price Stabilization, following President Truman's denunciation of the Capehart amendment as as "economic booby trap." The new bill, introduced in committee by its chairman, Senator Burnet R. Maybank of South Carolina, was revised slightly before it reached the senate floor.

The original Capehart formula, which took the name of its sponsor, Senator Homer E. Capehart of Indiana, became effective with the new price controls law on July 31. Under its provisions, OPS is required, upon individual application, to adjust ceilings to reflect all post-Korea increases up to July 26, 1951.

Before its final action last week, the senate by a vote of 44 to 28 rejected a proposal by Senator Capehart to replace his original formula with one directing OPS to consider all increased costs regardless of category in establishing new ceilings, "except such as the President may determine to be unreasonable and excessive."

The new modified price ceiling formula now goes to the house for consideration. Representative Brent Spence of Kentucky, chairman of the house banking committee, stated that he had not as yet set a date for hearings on the Capehart amendment repealer.

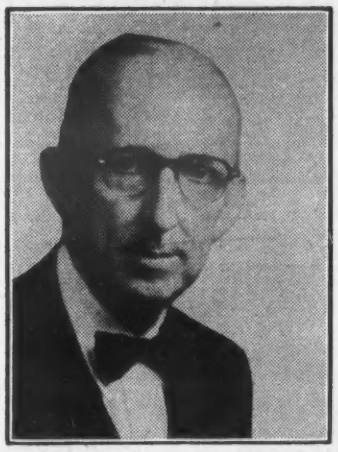
W. R. Grace Establishes Agricultural Chemicals Div.

A new agricultural chemicals division, for the processing and distribution of agricultural chemicals, has been formed by W. R. Grace & Co., New York industrial and trading concern. In charge of the new venture will be Charles F. Lunsford, for many years in both the industrial and agricultural chemical fields. Headquarters will be at Two Pine street, San Francisco, Calif.

The new division will process and sell under its own label, as well as those of private concerns, various organic insecticides. Distribution is planned on a national scale at the co-manufacturer-distributor level. Plans are now underway to set up several locations in the United States for formulation and warehousing.

Mr. Lunsford went with W. R. Grace from the Pittsburgh Coke & Chemical Company where he was western manager of their agricultural division for more than two years.

Perkin Medalist for 1952



Robert M. Burns, chemical director of the Bell Telephone Laboratories, Murray Hill, N. J., has been selected to receive the 1952 Perkin Medal. The award, which is sponsored by the American section of the Society of the Chemical Industry, will be formally presented to Dr. Burns on January 4, following a dinner in his honor at the Waldorf-Astoria hotel, New York.

Lederle Laboratories Cuts Aureomycin Price Schedule

Lederle Laboratories Division of American Cyanamid Company, New York, has announced reductions in the price of aureomycin, ranging up to 40 percent. The cuts were effective October 1. Largest reduction was the 40 percent on the intravenous form. The price of capsuls, soluble tablets and powder was cut 15 percent, and all other forms were cut approximately 10 percent. The drug is packaged in sixteen forms for use by doctors, dentists and veterinarians.

Foreign Trade Lists

Lists of foreign outlets and sources for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence Division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Crude drug producers, exporters—Ceylon.
Gum dammar exporters—Siam.
Hospitals—Tunisia.
Medicinal and toilet preparation importers, dealers—France; Syria.
Oil (animal, fish, vegetable) importers, dealers, producers, refiners, exporters—Italy.
Tanneries—Sweden.
Textile industry—Switzerland.

Chemicals-from-Coal Development Program Still Under Study by DPA

Plans of the Department of the Interior for aiding industry in the development of a program of making synthetic liquid fuels and chemicals from coal are still under consideration by the Defense Production Administration and, so far as the Interior Department knows, there have been no new developments in the situation.

Earlier in the week it was announced by F. Eberstadt & Co., New York, that plans were being drawn up for construction of a $400,000,000 plant in Southern Illinois if government assistance in the form of a guaranteed minimum price for the gasoline, chemicals and other products was forthcoming. Colchem Corporation was formed recently to handle the financing of the plant.

Assistant Secretary of the Interior Rose told the OIL, PAINT AND DRUG REPORTER October 4 that, while there is no reason to believe that consideration of the department's request by the DPA is not progressing, there have been no new developments of a governmental nature in the situation.

The request of the department was submitted by Secretary Oscar Chapman to DPA a number of weeks ago. It is understood that he has asked the agency for "borrowing power" which would enable the department to enter into long-term contracts for the purchase of the output of the plant when it gets into operation.

DPA Officials Critical

While DPA has never made any public announcement on the request, it is known that officials have been critical of the proposition because of the large amounts of critical materials that would be needed in construction of the plant, and the long time that would elapse before it could get into production.

Speaking before the National Press Club October 4, however, Secretary Chapman said he still had hopes that the program would come into being, although he was not as optimistic as he has appeared to be in the past. He said that research on synthetic liquid fuels is reaching the point where it is economically feasible to produce these fuels from coal.

Field for Private Industry

"I am not talking here about government production of these items," he said. "What I am saying is that I believe private industry, before long, will find it profitable to move into this field and put these processes into full commercial operation. In the present defense emergency, with steadily increasing pressures on our suppliers of petroleum and chemicals, the cost factor in these synthetic operations may become less important than it would normally be.

"I believe we can look for significant commercial development of synthetic fuels in the not too distant future. Meanwhile, of course, our main reliance is on more familiar sources of energy."

DuPont Names Salzenberg Assistant Head of Grasselli

E. I. duPont de Nemours & Co., New York, has appointed Walter H. Salzenberg assistant general manager of the Grasselli chemicals department. He succeeds Clark W. Davis, who has taken up his duties as general manager of the department, following the retirement of Emmet C. Thompson, who had been general manager since 1942 (OPD, 9/24/51).

Mr. Salzenberg has been departmental manager of Grasselli since August of last year. He joined duPont's engineering department in 1929. Two years later he was assigned to the Grasselli Works at Grasselli, N. J., as a junior engineer. By 1936 he had risen to become assistant to the section head handling all industrial engineering development work at the plant. He became section head in 1940. His assignment later was expanded to include development work at the acetate rayon plant at Waynesboro, Va., and the nylon plant in Seaford, Del.

Walter H. Salzenberg

Mr. Salzenberg was transferred from the engineering department to the Grasselli chemicals department in 1943 as assistant to the technical director in Wilmington. Two years later he was named assistant technical director. From 1948 until his appointment as departmental engineer he was manager of Grasselli's animal industry division.

Toiletries Mfg. Firm To Be Sold by US on Bids

The government's controlling interest in Ferd. Mulhens, Inc., manufacturer of a line of cosmetics and toiletries, will be sold to the highest bidder by the Attorney General at a public opening to be held October 25 in the Office of Alien Property, 120 Broadway, New York.

By a vesting order issued during the war, the government has been in control of the entire 1,000 shares of capital stock of the company since 1942. It was taken over by the Alien Property Custodian because of its German ownership. In the sale of the stock to be undertaken, the government is also disposing of the company's patents and trade marks.

Persons or organizations interested in acquiring the company must file a "questionnaire for prospective bidder" with the New York office of Alien Property by 3 p. m., October 18.

Foreign Sales Leads

Firms in the United States who are interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please — with the OPD office, 30 Church street, New York 7:—

Agricultural chemicals, Genoa, Italy (IC-1).
Industrial chemicals, for varnish, soap, textile, paper, and tanning industries, Genoa, Italy (IC-1).
Lubricating oils, Athens, Greece (IC-3, agency).
Pharmaceutical products, especially antibiotics, Tangier, Morocco (IC-2, agency).

NFA Outlines Program For Nov. 12-14 Meeting

Current research and supply problems facing the fertilizer industry will be discussed at the 1951 fall meeting of the National Fertilizer Association, to be held November 12 to 14 at the Atlanta Biltmore hotel, Atlanta, Ga.

Addresses will be delivered at the November 13 session by W. M. Myers, director of field crops research, Department of Agriculture, Beltsville, Md., on "Potentialities in Grasslands Improvement," and by H. R. Krueger, Director of Technical Service, Phillips Chemical Company, Bartlesville, Okla., on "Safety in Fertilizer Plants." Mr. Krueger is a member of the advisory committee of the National Safety Congress. J. E. Totman, chairman of the association's board of directors, will also address the gathering.

The November 14 program will feature a forum on government controls and orders affecting the fertilizer industry. Participants will include W. R. Allstetter, deputy director, office of materials and facilities, Production and Marketing Administration, Department of Agriculture; Cedric Gran, consultant, agricultural chemicals, Office of Price Stabilization; Kenneth H. Klipstein, director, chemical division, National Production Authority, and Sheldon P. Wimpfen, division of raw materials, Atomic Energy Commission.

Witco Elects Wissemann, Harrison Vice-Presidents

Witco Chemical Company, New York, has elected Frederick C. Wissemann financial vice-president and Jerome S. Harrison vice-president and manager of the Chicago office. William Wishnick has been assigned to take over Mr. Wissemann's previous post as treasurer, and George J. Klipper has been named assistant treasurer. Mr. Harrison, who has been connected with Witco sales for the past twenty-six years, succeeds the late David Tumpeer at Chicago.

Washington Talks It Over

By Ralph L. Cherry

The confusion and diffusion of responsibility and policy in the defense production program are bringing suggestions that another reorganization may be necessary to bring a little more cohesion to the working parts of the defense setup and less red tape and conflicts for the business caught in the meshes of the control machinery.

Following extensive hearings around the country on complaints of little business, the Patman small business committee of the house sees no reason for existence of the National Production Authority as an agency of the Department of Commerce and believes, with some degree of logic, that it rightfully belongs as an integral part of the Defense Production Administration.

The artificial nature of the separation between the two agencies is sharply accentuated by the fact that the same individual (Manly Fleischmann) now heads them both. As a result, we have the odd situation of the administrator of DPA, the policy-making agency, figuratively walking across the street to NPA, the operational agency, to tell himself to put into effect as NPA Administrator the policies that he had decided upon as DPA Administrator.

As DPA Administrator, he is responsible only to the Director of the Office of Defense Mobilization, and has authority over the claims which the Secretary of Commerce submits as a claimant agent. However, as NPA Administrator he is a subordinate of the Secretary of Commerce.

Lard-Rendering Described

The principal commercial processes for rendering lard and the effects of each on the characteristics and salability of the product are described in a report just issued by the Department of Agriculture. The publication is designed to help the industry in producing and marketing the kinds of lard that will develop the most demand.

Described in the report are processing steps which, a few years ago, had never been considered and with which many renderers, especially small packers, still are unfamiliar, according to the authors. The publication includes drawings of lard-rendering equipment of various kinds, with descriptions of the processes used. It also discusses the apparent trend toward use of continuous-rendering equipment, the value of the addition of hydrogenated flakes in raising the melting point of lard, and the effect of chemical antioxidants with retarding rancidity in the product.

The report is based on a study made by the Production and Marketing Administration under the authority of the research and marketing act, and can be obtained from the PMA's Office of Information for the asking.

Home Food-Production Studied

Secretary of Agriculture Brannan has set machinery in motion for a vigorous campaign of home gardening and home food-canning next year by establishing a committee of more than two dozen members to look over this year's program and see what improvements can be and should be made.

"Food is an essential part of our national defense production, just as guns

—Continued on page 40

Modern surgery . . .

calls for maximum cleanliness, and there's no substitute for plenty of soap and hot water.

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Association Meetings

ADMA-APMA Combined Contact Committee, Washington hotel, Washington, D. C., October 31-November 1.

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, New York, October 17-19.

American Council of Commercial Laboratories, Ambassador hotel, Baker hotel, Dallas, Tex., November 15-16.

American Drug Manufacturers Association, production and engineering section, Waldorf-Astoria hotel, New York, November 8-9.

American Fair Trade Council, annual meeting, Waldorf-Astoria hotel, New York, November 7-8.

American Institute of Chemical Engineers, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., December 2-5.

American Oil Chemists' Society, Fall meeting, Edgewater Beach hotel, Chicago, October 8-10.

American Petroleum Institute, annual meeting, Chicago, November 5-8.

American Public Health Association, annual meeting, Civic Auditorium, San Francisco, Calif., October 29-November 2.

American Society for Testing Materials, spring meeting and committee week, Statler hotel, Cleveland, Ohio, March 3-7, 1952; annual meeting, Statler and New Yorker hotels, New York, June 23-27, 1952.

American Tung Oil Association, Buena Vista hotel, Biloxi, Miss., October 11-12.

Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 22-23, 1952.

Association of Consulting Chemists and Chemical Engineer's, annual meeting, Belmont Plaza hotel, New York, October 23.

Boston Conference on Distribution, Statler hotel, Boston, Mass., October 15-16.

Chemical Industries Exposition, Grand Central Palace, New York, November 26-December 1.

Chemical Market Research Association, Cleveland hotel, Cleveland, Ohio, October 16.

Chemical Specialties Manufacturers Association, annual meeting, Mayflower hotel, Washington, D. C., December 2-4.

Drug, Chemical and Allied Trades section of New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 6, 1952.

Electrochemical Society, Statler hotel, Detroit, Mich., October 9-12

Federation of Paint and Varnish Production Clubs, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., November 1-3.

Flax Institute, annual meeting, Nicollet hotel, Minneapolis, Minn., Nov. 6-10.

Forest Products Research Society, annual meeting, Milwaukee, Wis., June 23-25, 1952.

Industrial Hygiene Foundation of America, annual meeting, Mellon Institute, Pittsburgh, Pa., November 14-15.

International Congress of Industrial Chemistry, November 25-December 1, Paris, France.

Liquefied Petroleum Gas Association, eastern section, Statler hotel, New York, October 11.

Manufacturing Chemists Association, semi-annual meeting, Waldorf-Astoria hotel, New York, December 13; annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-24, 1952.

National Fertilizer Association, annual southern meeting, Atlanta-Biltmore hotel, Atlanta, Ga., November 12-14.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 29-31.

National Manufacturers of Soda Water Flavors, annual convention, Statler hotel, Washington, D. C., November 13.

National Paint, varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 29-31

National Pest Control Association, annual meeting, Statler hotel, Boston, Mass., October 29-31.

National Wholesale Druggist's Association, annual meeting, Shamrock hotel, Houston, Tex., October 13-17.

Oil Trades Association of New York, annual banquet, Waldorf-Astoria hotel, New York, October 30.

Packaging Institute, annual forum, Commodore hotel, New York, October 22-24.

Packaging Machinery Manufacturers Institute, annual meeting, Mid Pines Club, Southern Pines, N. C., October 13-17.

Paint Industries Show, held in conjunction with the FPVPC annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., November 1-3.

Parenteral Drug Association, annual meeting and dinner, New York Academy of Sciences, New York, October 26-27.

Salesmen's Association of the American Chemical Industry, annual show, Henry Hudson hotel, New York, October 17; annual meeting, Roosevelt hotel, New York, October 30.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, December 6.

Society of Plastics Engineers, national technical conference, Edgewater Beach hotel, Chicago, Ill., January 16-18, 1952.

Synthetic Organic Chemical Manufacturers Association, October 10, Commodore hotel, New York; annual meeting, December 11, Commodore hotel, New York.

Toilet Goods Association, scientific section, Waldorf-Astoria hotel, New York, December 5; annual meeting, Waldorf-Astoria hotel, New York, May 13-15, 1952.

World Congress on Artificial Fertilizers, Rome, Italy, October 22-25.

World Metallurgical Congress, in connection with the National Metal Congress and the National Metal Exposition, Detroit, Mich., October 15-19.

British Fertiliser Society Sets Meeting November 8

The Fertiliser Society, a British organization, will meet November 8 at 2:30 p.m. at Caxton Hall, London, England. J. Manning will be the speaker. He will discuss "The Cement Sulphuric Acid Process."

Oils, Fats Output, Use: August

Statistics on production and consumption of oils and fats, including raw materials and primary products have been compiled by the Bureau of Census, Department of Commerce, for the month of August. The data are as follows:—

Primary Products

	Pounds		
	Production	Consumption	Stocks Aug. 31
Animal foots from refining, 100% basis	2,280,000	2,251,000	3,607,000
Babassu oil, crude	[4]	2,565,000	9,274,000
refined	1,741,000	1,753,000	888,000
Castor oil, No. 1	4,395,000	4,508,000	[5]23,431,000
No. 3, crude	1,455,000	2,469,000	[5]8,068,000
Chinawood or tung oil		4,573,000	21,195,000
Coconut oil, crude	47,172,000	42,115,000	[5]84,626,000
refined	25,874,000	25,151,000	6,809,000
Cod and codliver oil	104,000	1,416,000	6,624,000
Corn oil, crude	18,230,000	22,786,000	10,255,000
refined	20,547,000	20,786,000	3,784,000
Cottonseed oil, crude	60,200,000	44,582,000	29,133,000
refined	40,499,000	97,735,000	98,103,000
Fish and marine mammal foots, 100% basis	[12]	47,000	2,227,000
Fish oil, refined	[12]	1,133,000	935,000
Fish oil, not specified, except liver oil	1,951,000	819,000	4,499,000
Fishliver oil, not specified	226,000	216,000	3,132,000
Grease other than wool	53,493,000	46,782,000	113,174,000
Lard, rendered[6]	151,000,000	[7]14,891,000	44,379,000
refined[6]	104,000,000	[8]8,972,000	27,543,000
Linseed oil, raw	60,500,000	52,352,000	624,995,000
refined	22,343,000	27,979,000	39,188,000
Marine mammal oil, not specified	[11]	[11]	[12]
Menhaden oil	20,110,000	2,447,000	49,860,000
Neatsfoot oil	83,000	454,000	1,082,000
Oiticica oil	[9]	795,000	8,952,000
Olive oil, edible	[9]	557,000	20,928,000
inedible	[9]	27,000	279,000
sulphur foots	[9]	[4]	[4]
Palm oil, crude	[9]	3,873,000	[5]17,596,000
refined	[4]	283,000	472,000
Palm kernel oil, crude	[9]	[4]	[4]
refined	[4]	[4]	[4]
Peanut oil, crude	9,832,000	7,908,000	8,027,000
refined	7,480,000	10,591,000	16,225,000
Perilla oil	[9]	[9]	[4]
Rapeseed oil, crude	[9]	319,000	1,234,000
refined		320,000	2,404,000
Sardine (pilchard) and herring oil	2,849,000	3,056,000	12,806,000
Sesame oil, crude	[4]	[4]	[4]
refined	[4]	418,000	462,000
Soybean oil, crude	187,910,000	164,197,000	107,993,000
refined	154,263,000	148,240,000	85,236,000
Sperm oil		2,039,000	[5]27,298,000
Tallow, edible	7,182,000	3,601,000	3,561,000
refined	1,562,000	1,352,000	696,000
inedible	108,622,000	84,639,000	221,739,000
refined	16,568,000	15,098,000	12,386,000
Vegetable oil, not specified, crude	4,842,000	2,312,000	19,233,000
refined	1,642,000	1,613,000	1,785,000
Vegetable foots, 100% basis	16,538,000	13,083,000	37,463,000
Whale oil	[11]	[11]	[12]
Wool grease	1,149,000	[6]	[10]538,000

Primary Products Except Oil

		Production	Shipments and transfers	Stocks Aug. 31
Cottonseed cake and meal	tons.	92,222	106,524	57,[illegible]
hulls	tons.	44,104	45,347	18,914
linters	running bales.	[2]63,819	50,467	[5]51,557
hull fiber	lbs.	484,000	131,000	489,000
motes and grabbots	lbs.	961,000	1,364,000	3,634,000
Soybean cake and meal	tons.	440,644	480,767	63,427
Lecithin	lbs.	1,760,344	1,303,865	1,841,975
edible soy flour, full fat	tons.	658	606	337
other	tons.	4,171	4,011	1,178
industrial soy flour	tons.	2,351	2,344	343
Other cake and meal—				
Copra	tons.	12,748	13,484	2,460
Corn germs	tons.	14,578	14,931	931
Flaxseed	tons.	54,829	67,036	31,643
Olive	tons.	[9]	[9]	[9]
Peanuts	tons.	9,001	9,945	4,021
Tung nut	tons.	[9]	[9]	[9]
Other	tons.	4,934	4,729	2,357
Castor beans	tons.	3,434	4,075	844

Secondary Products

	Pounds		
	Production	Consumption	Stocks Aug. 31
Animal fat and oil fatty acids	16,593,000	16,983,000	13,330,000
Castor oil, chemically dehydrated	756,000	1,184,000	7,806,000
Deodorized oil[13]	33,769,000	13,464,000	8,165,000
Fatty acid stock, including spent and salvaged oils and fats, palm oil, refuse, etc. (100% fatty acid base)	650,000	1,357,000	3,994,000
Fatty acids from fractionating or pressing—			
Oleic acid	6,766,000	3,145,000	[14]16,912,000
Stearic acid	6,224,000	4,565,000	[14]13,826,000
Other acids	[15]	[15]	4,177,000
Fish and marine mammal fatty acids	[15]	518,000	1,232,000
Glycerin, chemically pure (100% basis)[17]	10,676,000	6,947,000	24,883,000
crude (100% basis)[17]	16,064,000	17,662,000	15,047,000
high gravity and yellow distilled (100% basis)	5,416,000	6,976,000	16,165,000
Grease oil and lard oil	4,753,000	2,682,000	6,492,000
Hydrogenated oil and fats, edible—			
Cottonseed	41,804,000	38,663,000	15,057,000
Soybean	56,414,000	50,239,000	13,065,000
other	10,722,000	7,999,000	3,835,000
Inedible—			
Animal	3,424,000	3,591,000	2,758,000
Fish	1,238,000	1,145,000	5,404,000
Vegetable	560,000	613,000	2,380,000
Oleomargarine	86,286,000	[6]	17,022,000
Oleo oil	3,457,000	460,000	1,706,000
Shortening	126,290,000	855,000	104,682,000
Solid fatty acids produced by splitting hydrogenated fats and oils or by hydrogenation of fatty acids	4,050,000	2,405,000	[16]6,239,000
Stearin, animal, edible	2,173,000	1,792,000	1,147,000
inedible	1,673,000	1,722,000	1,861,000
vegetable oil, winter	6,749,000	9,006,000	7,245,000
Tall oil, crude	28,380,000	18,615,000	50,453,000
refined, including distilled and fractionated tall oil	8,832,000	7,259,000	20,718,000
Tallow oil	956,000	712,000	2,488,000
Vegetable oil fatty acids from foots and other than from foots	11,445,000	12,066,000	25,705,000
Winterized oil	44,585,000	27,826,000	27,857,000

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks Aug. 31
Castor beans	3,371	6,314	4,055
Copra	36,347	37,219	25,462
Corn germs	26,226	26,213	1,571
Cottonseed	554,938	199,035	422,184
Flaxseed	49,673	82,412	91,262
Olives	[9]	[9]	[9]
Peanuts, shelled	11,466	13,222	5,196
unshelled	[3]	[3]	[3]
Soybeans	174,408	564,259	291,321
Tung nuts	[9]	[9]	[9]
Other	7,561	7,410	2,446

[1] Included in "other" to avoid disclosure of individual operations.
[2] Includes 14,243 bales first cut, 43,740 bales second cut, and 5,836 bales mill run. Average gross bale weights:—Total, 597.9; first cut, 575.3; second cut, 609.3; and mill run, 567.7 pounds.
[3] Includes 23,226 bales first cut, 23,772 bales second cut, and 4,559 bales mill run.
[4] Included in "other vegetable oils" to avoid disclosure of individual operations.
[5] Data for stocks of crude palm oil, crude coconut oil, castor oil No. 1 and No. 3, and sperm oil are on a commercial stocks basis and do not include figures for stockpiles of strategic oils.
[6] Data on production collected by the Department of Agriculture. Refined lard production data represent Federally Inspected Lard. Lard stocks include quantities held in refrigerated storage amounting to 35,030,000 pounds for August 31, 1951, as reported by the Department of Agriculture.
[7] Excludes quantities used in refining. Includes a small quantity denatured or shipped in inedible tanks which cannot be shown to avoid disclosure of individual operations.
[8] Includes a small quantity denatured or shipped in inedible tanks which cannot be shown to avoid disclosure of individual operations.
[9] Data not available.
[10] Held by wool scourers.
[11] Included in "Sperm Oil."
[12] Not shown to avoid disclosure of individual operations.
[13] Winterized-deodorized oil, hydrogenated-deodorized oil and cooking and salad oil not included.
[14] August data include 4,462,000 pounds held by producers.
[15] August data include 9,118,000 pounds held by producers.
[16] August data include 3,025,000 pounds held by producers.
[17] Includes data for synthetic glycerin.

Electrochemists Meet In Detroit October 9-12

The Electrochemical Society will hold its one hundredth meeting October 9 to 12 at the Statler hotel, Detroit, Mich.

Although there will be meetings of the ways and means committee and the board of directors on the ninth, the technical program does not get under way until October 10. Papers will be presented before the corrosion division of the society all day on the tenth and eleventh in the Michigan room. The division's luncheon and business meeting will be held October 12 at 12:30 p.m.

Electronics Division

The electronics division, which will hold its luncheon and business meeting on the 10th at 1 p.m., will hear papers on the theoretical and practical aspects of screen application and analytical controls that morning in the Bagley room. A round-table discussion on the papers presented will be held that afternoon in the Ivory room.

The electro-organic division will hold technical sessions all day on the 10th and the morning of October 11 in Parlor F. The division's luncheon and business meeting is scheduled for October 10 at 12:30 p.m. The electrothermic and industrial divisions, which will hold a joint luncheon and business meeting on the 10th at 12:30 p.m., will conduct a round-table discussion on "Power Supply and Requirements for Electrochemical Industries" that afternoon in the Bagley room.

The batteries division will hold a round-table discussion on the primary cell the morning of the eleventh and one on the storage battery the morning of the twelfth, both sessions to take place in the Ivory room. The division's luncheon and business meeting will be held October 12 at 12:30 p.m.

Electrodeposition Division

The electrodeposition division also will hold its luncheon and business meeting October 12 at 12:30 p.m. Papers on electroplating processes will be presented before the group the afternoon of the 11th. On the morning of the 12th the division will hear reports on alloy plating, while the afternoon will be devoted to talks on control of electrodeposits. All electrodeposition sessions will be held in the Bagley room.

Dr. Carl Wagner, of Massachusetts Institute of Technology, will deliver the first Palladium medal lecture on October 11 at 4 p.m. in the Michigan room.

Consulting Chemists to Hold Symposium at Oct. 23 Meeting

The Association of Consulting Chemists and Chemical Engineers will conduct a symposium entitled, "Exported Know-How—The American Chemical Consultant Around the World," during its annual meeting, to be held October 23 at 5 p.m. at the Belmont Plaza hotel, New York.

The symposium, which will have Earl D. Stewart, of Schwarz Laboratories, Inc., New York, as its moderator, will consist of five talks on different phases of the overall theme to be followed by discussion from the floor. Robert S. Aries, of R. S. Aries & Associates, will speak on Mexico and Central America. Donald F. Othmer, of Brooklyn Polytechnic Institute, Brooklyn, N. Y., will discuss the Far East. Maurice S. Sage, of Sage Laboratories, Inc., New York, will talk on the Middle East and Israel. Foster Dee Snell, of Foster D. Snell, Inc., New York, will deal with Europe, while John B. Whitney, of Landolt & Whitney, New York, will discuss South America and the Caribbean area. Following the symposium, two sound films of general interest will be presented.

The association advises that the meeting is not restricted to members and that representatives of the industry and ladies are welcome to attend. Dinner is priced at $7 per person. Letterhead reservations with check to the order of the association must be received before October 18 at the organization's offices, 50 East 41st street, New York 17.

SOCMA Lists Henderson As October 10 Speaker

The Synthetic Organic Chemical Manufacturers Association will hear J. G. Henderson, staff engineer of the standards section of the department of construction and design, Carbide & Carbon Chemicals Division of Union Carbide & Carbon Corporation, New York, at its regular monthly luncheon meeting, to be held October 10 at the Commodore hotel, New York. Cocktails will be served at 12:15 p.m., with dinner following at 12:45 p.m.

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SULFONAMIDES
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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, October 5 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).
Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
over 92.5 C. m.p. dms., works lb .50 - —
Acetaldehyde 99% dms. c.l., frt. equald lb .12½- .13
l.c.l., frt. equald lb .13½- .13¾
tanks, frt. equald lb .10½- .11
Acetaldol (see Aldol)
Acetamide, tech., fib. dms. lb .52 - —
Acetanilide tech. tbls., c.l., dlvd lb .25½- .26½
l.c.l., ton lots lb .26½- .27½
smaller lots lb .29½- .30½
USP bbls. 2,000-lb lots lb .56 - —
smaller lots lb .58 - .62
Acetic anhydride dms. c.l. frt. alld E lb .15 - .16
l.c.l., frt. alld. E lb .16½- .17½
tanks, frt. alld. E lb .13½- .14½
Acetoacetanilide, bbls., dlvd lb .79¾- —
fib. dms., c.l., dlvd lb .73 - —
l.c.l., dlvd lb .74 - —
Acetoacetorthochloranilide bbls., dlvd lb 1.23 - —
fib. dms., c.l., dlvd lb 1.22 - —
l.c.l., dlvd lb 1.23 - —
Acetoacetorthotoluidide, bbls., dlvd lb .79 - —
fib. dms., c.l., dlvd lb .78 - —
l.c.l., dlvd lb .79 - —
Acetone, CP, dms., c.l., dlvd lb .10¼- .11¾
l.c.l., dlvd lb .11 - .12½
tanks, dlvd lb .08½- 10
Methyl (see M).
Acetonitrile, dms., c.l., works lb .45 - —
l.c.l., works lb .47 - —
Acetophenetidin USP bbls., works, frt. equald lb 1.15 - 1.38
Acetophenone, cns., dms lb 1.35 - 1.85
tech., dms., l.c.l., works lb .75 - —
Acetyltributyl citrate, tech., dms., c.l. lb .40½- —
l.c.l. lb .41½- —
tanks lb .39 - —
Acetyltriethyl citrate, tech., dms., c.l. lb .37½- —
l.c.l. lb .38½- —
tanks lb .39 - —
Acid, abietic com'l, dms., c.l., works lb .12 - —
l.c.l., works lb .1390- —
cryst., dms., c.l., works lb .07½- —
l.c.l., works lb .08 - 09¼
Acetic, com'l or reddist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls. 100 lbs 8.25 - —
70%, bbls. 100 lbs. 9.95 - —
80%, bbls. 100 lbs.10.45 - —
glacial, synthetic, CP, dms., works 100 lbs.15.00 -16.00
cbys., inclusive, works 100 lbs.24.00 -26.00
tech., dms., c.l., works 100 lbs.10.50 - —
l.c.l., works 100 lbs.11.00 - —
tanks, works 100 lbs. 9.00 -11.50
USP, dms., works 100 lbs.13.50 14.50
Acetic anhydride (see Acetic anhydride above)
Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb .60 - —
standard, fine cryst., gran., (30-40 mesh) powd. (80 mesh) bbls same basis, lb .55 - —
Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich. Chicago and St. Louis
Adipic fib dms, works lb .26½- —
Aminoacetic NF bbl's., frt. adjusted lb 1.50 1.75
Anthranilic resub. bbls lb 2.10 —
tech., bbls., frt equald lb 1.21 - —
Arsenous, tech (see Arsenic, White)
USP (see Arsenic trioxide)
Ascorbic, USP, dms., 25-50 Kilo lots kilo.24.50 - —
10-kilo lots kilo.24.85 - —
5-kilo lots kilo.25.25 - —
bots., kilo lots kilo.25.50 - —
500-gram lots kilo.26.00 - —
Battery chys. c.l. E. works 100 lbs. 2.40 - —
l.c.l., E., works 100 lbs. 2.80 3.20
Benzoic tech. bbls. dms., 100 lbs or more lb .40 - .45
USP, bbls., dms., 100 lbs. up lb .50 - .54
Betahydroxynaphthoic (see betaoxynaphthoic acid).
Betaoxynaphthoic, bbls., works lb 1.35 - 1.39
Boric, tech., 99½%, cryst., bgs., c.l., works ton.120.75 - —
ton lots, ex whse., N. Y. or Chi ton.160.50 - —
less ton lots, same basis. ton.171.50 - —
bbls., c.l., works ton.145.25 - —
ton lots, ex whse., N. Y. or Chi ton.191.00 - —
less ton lots, same basis. ton.196.00 - —
bulk., c.l., works ton.116.75 - —
gran., bgs., c.l., works ton.95.75 - —
ton lots, ex whse., N. Y. or Chi ton.141.50 - —
less ton lots, same basis. ton.146.50 - —
bbls., c.l., works ton.120.25 - —
ton lots, ex whse., N. Y. or Chi ton.166.00 - —
less ton lots, same basis. ton.171.00 - —
bulk, c.l., works ton.91.75 - —
powd., bgs., c.l., works ton.100.75 - —
ton lots, ex whse., N. Y. or Chi ton.146.50 - —
less ton lots, same basis. ton.151.50 - —
bbls., c.l., works ton.125.25 - —
ton lots, ex whse., N. Y. or Chi ton.171.00 - —
less ton lots, same basis. ton.176.00 - —
bulk, c.l., works ton.96.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.47 - —

Acid, butyric, 99%, dms., c.l., works lb .38 - —
l.c.l., works lb .38½- —
tankcars, works lb .36½- —
Cacodylic, bots lb.10.50 -13.00
Camphoric, natural, dms lb 4.00 4.75
synth dms lb 4.00 4.75
Capric, 90%, dms., l.c.l. lb .37½- —
Caprylic, 90%, dms., l.c.l. lb .37½- —
Casselio, dms, frt alld lb 1.44 - —
Castor oil, split, dms lb .33¼- .33¾
Chicago, bbls, frt. alld lb 3.21 —
Chlorosulphonic, dms., c.l., frt. equald lb .039 - —
l.c.l., frt. equald lb .044 - .059
tanks, frt. equald lb .034 - —
Chromic 99½ 99¾% dms., c.l. works lb .27 - —
l.c.l., works lb .27½- .28¼
NF (see Chromium trioxide)
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, anhyd. gran., fine gran., dms., c.l. lb 26½ - —
10,000 lbs. 1 ship't lb 27 - —
smaller lots lb 27½- —
kgs lb 28½- —
Anhydrous citric acid powder ½c per lb higher
USP cryst., dms, c.l. lb 27½- —
10,000 lbs., 1 ship't lb 28 - —
smaller lots lb 28½- —
gran., fine gran. dms. c.l. lb 24½- —
10,000 lbs., 1 ship't lb .25 - —
smaller lots lb 25½ - —
kgs lb 26¼ - —
USP citric acid powder ½c per lb higher.
Cleve's, mixed, bls lb. 79 —
Coconut oil, dist., dms lb. .19¼- .20½
double dist., dms lb. .20¾- .22
Cottonseed oil, dist., dms lb. .1250- .1375
double dist., dms lb. .1300- .1425
Cresylic coaltar, dom., 50% above 207°C, non-ret dms., c.l. frt. equald gal. 1.31 1.36
l.c.l., same basis lb. 1.34 - 1.49
ret. dms., c.l., same basis gal. 1.28 —
l.c.l., same basis gal 1.33 —
tanks same basis gal. 1.20 1.25
204° to 207° C, non-ret. dms., c.l., same basis gal. 1.36 - —
l.c.l. same basis gal 1.39 —
ret. dms., c.l., same basis, gal. 1.33 - —
l.c.l., same basis gal 1.38 - —
tanks, same basis gal. 1.25 - —
imp., 75% at 215°C. or over, dms., c.i.f., gal. 1.40 - 1.55
petroleum, dom., 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 71 —
l.c.l., same basis gal. 73 - .75
tanks, same basis gal. .58 —

Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal gal. .58 .63
211° C to 236° C. non-ret. dms. c.l., San Francisco and Los Angeles gal. 63 —
l.c.l., same basis gal. 65 .67
tanks, same basis gal. .50 —
220° C to 242° C, tanks, Wilmington Cal gal. 50 53
245° C to 298° C, tanks, Wilmington Cal gal. 46 —
Crotonic, fib dms., works lb. .31 - —
Cyanoacetic tech bbls lb 90 1.25
Desoxycholic, bots lb.22.00 25.00
Dichlorophenoxyacetic, (see under "D" 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic hgs. works lb 14 —
Ethylhexoic, dms., c.l., works lb. .34 —
l.c.l. works lb. .34½ —
tanks, works lb. .32½- —
F, crude, paste, bbls., works lb. 1.67 —
Folic, bots., fib. cns., kilo or more gram 2.00 —
Formic, 85%, cbys., c.l., works lb. .14 - .17
l.c.l., works lb .14½ .22
90%, cbys., c.l., works lb. .14½- .17½
l.c.l., works lb. .15 .23½
Fumaric, tech., bbls., dms lb .37 .38
Gallic, NF VII bbls 1,000-lb lots lb 1.60 —
smaller lots lb. 1.82 - 2.00
technical, bbls, 1,000-lb. lots lb 1.58 —
smaller lots lb. 1.69 - 1.78
Gamma dry ground bbls. frt alld lb 1.50 —
paste bbls frt alld lb 1.45 —
Gentisic, 100 lb fib. dms. lb. 8.50 —
Gluconic, tech. 50% bots lb .25 .33
dms. lb .16 —
kgs. lb .18 —
Glutamic, laevo, 99%, fib. dms., 100-lb lots, works lb 2.45 —
25-lb. lots, works lb. 2.54 - 2.60
Glycerophosphoric, 35%, dms., works lb 2.25 2.35
Glycolic (see Acid, hydroxyacetic)
H, 100% basis, bbls., works lb. .82 —
Hydriodic, 1.50 s.g., cbys lb. 2.67 —
1.70 s.g., cbys lb. 2.98 —
Hydrobromic medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls. works lb 1.10 —
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, annyd., cyls., works lb 24 .25
tanks, works lb 18 —
70%, steel dms., works lb .1535 .1955
Hydrofluosilicic 30-35%, bbls., works lb 07 —

Acid, hydroxyacetic, tech., 70%, bbls., non-return., Phila. lb. .084 —
tanks Belle W Va. 100% basis lb 085 —
Hypophosphorous purif. 50% cbys. lb 1 30 1 32
USP cbys lb. .88 - —
J bbls works 100% basis lb 2.50 2.85
Koch, bbls. frt alld lb. .64 70
L, bbls frt alld lb 1 25 —
Lactic edible 50% bbls., 20 or more lb. .16 .20
smaller lots lb. 16½ .21
80% bbls., 5 bbls. or more lb. .29 .3640
less than 5 bbls lb. .2950 .3680
plastic grade 50% bbls., 20 or more works lb. .21¼ —
1 to 19 lb .22¼- 22¾
80%, bbls., 5 or more lb. 3865 —
tech., 22% bbls., c.l., works 100 lbs. 6.30 —
l.c.l., works 100 lbs 6.70 —
cbys., works 100 lbs 7.20 12.20
44%, bbls., c.l., works 100 lbs.10.95 11.95
l.c.l., bbls., works 100 lbs.11.35 12.35
cbys., works 100 lbs.11.85 17.85
NF, 85% cbys lb .85 .88
Laurent's bbls lb 60 87
Lauric, 90-95%, dms lb. .24 - .24¾
60%, dms lb. .19¾- .20½
Linseed oil, reg., dist., dms lb. .2270- .2320
water white, dms lb. .2570- .2620
Maleic, anhydride (see M).
powder, dms lb. .37 .38
Malic, dms lb .50 —
Mandelic NF dms. 1,000-lb lots lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic dms., works lb .07 —
Methacrylic dms., c.l., and truckloads, works lb. 76 —
less than truckload works lb. 76½ 80
Molybdic dms. 85%-92% works lb. 1.40 - 1.55
Monochloroacetic purified flake, 99% dms lb. 25½ 25¼
tech., flake 96-97%, dms lb. .20 .22
Muriatic, 18° cbys., c.l., works 100 lbs. 2.45 2.60
l.c.l., works 100 lbs. 2.75 3.55
tanks, works ton.29.00 -31.00
20°, cbys., c.l., works 100 lbs. 2.70 3.05
l.c.l., works 100 lbs. 3.00 3.80
tanks, works ton.31.00 -33.00
22°, cbys., c.l., works 100 lbs. 3.30 3.40
l.c.l., works 100 lbs. 3.50 4.40
tanks, works ton.36.00 -38.00
CP USP, consumers, cbys., extra c.l., works lb. 11¾ —
l.c.l., same basis lb. 13¼ 13¾
5 pint bottles extra, cs., c.l., same basis lb. 16¾ —
l.c.l., same basis lb. 18¼ 24¼
Acid, muriatic CP, USP, prices to dealers 1½c. per lb. less.
Myristic, dms lb. .30½- .31¼
Naphthenic 220-230 acidity, dms. works lb .14 —
tanks, works lb .12 - —
230-240 acidity, dms., works lb 22 —
tanks, works lb 19 —
Naphthol(1)-4-sulphonic (see Acid Neville and Winther's)
Naphthol (1)-5-sulphonic (see Acid L)
Naphthol(1)-5-sulphonic,8-amino (see Acid S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J)
Naphtholsulphonic mixed (see Acid Cleve's, mixed)
Naphthylaminet(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's)
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)
Neville and Winther's, dms., frt. alld lb. 1.05 - —
Nicotinic USP dms frt adjusted lb 9.00 9.30
Nicotinicamide (see Nicotinamide).
Nitric 36° cbys c.l. E. works 100 lbs 5.00 —
l.c.l., E. works 100 lbs 5.30 11.10
38° cbys. c.l., E. works 100 lbs 5.50 —
l.c.l., E. works 100 lbs 5.80 11.60
40° cbys. c.l., E. works 100 lbs 6.00 6.50
l.c.l., E. works 100 lbs 6.30 12.10
42° cbys., c.l., E. works 100 lbs 6.50 7.00
l.c.l., E. works 100 lbs 6.80 12.60
CP NF, consumers, cbys., extra c.l., works lb. 13½ —
l.c.l., same basis lb. .15 .15½
5 pint bottles extra, cs., c.l., same basis lb .17½ —
l.c.l., same basis lb .19¼ —
Octoic (see Acid, ethylhexoic)
Oleic, single distilled, dms lb. .15¼- .16½
tanks lb. .13¾- —
double distilled (white) dms.lb. .17¾- .19
tanks lb. .16¼- —
Oleum (see Acid sulphuric fuming)
Orthochlorobenzoic, fib. dms., works lb. 1.13 - —
Orthocresotinic dms (no lots) works lb. .66 - —
smaller lots, works lb. .68 - —
Oxalic, bbls., c.l., works lb. .16¼- —
10,000 lbs., works lb .16¼- —
smaller lots, works lb. .17½- —
Palm oil, white, dist., dms lb. .16¼- .17
Para-aminobenzoic, tech., dms lb. 1.74 - 1.77
USP, dms., 100 lbs. or more, works lb. 4.50 5.10
smaller lots, works lb. 4.85 - 5.30
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 5.50 —
smaller lots, same basis lb. 5.55 6.00
Parachlorobenzoic, fib. dms., works lb. 1.50 - 1.62
Paramethylhohenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Perchloric, 60%, reagent, cbys., works lb. .77 - —
70-72%, reagent, cbys., works lb. .94 - —
Phenylacetic, bots lb. 1.45 1.75
tech., dms., 1,000-lb. lots lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

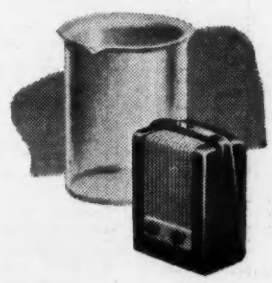
ACS	American Chemical Society	dest.-dist.	destructive-distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	dist.	distilled	nom.	nominal
ammo.	ammonia	distr.	distributor.	No.	number
amorph.	amorphous	djus.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
anhyd.	anhydrous	dms.	drums	Pac.	Pacific
a.p.a.	available phosphoric acid	dom.	domestic	pf.	proof
		E.	east	phos.	phosphate
artif.	artificial	e.p.	end point	photo.	photographic
ASTM.	American Society for Testing Materials	equald.	equalized	pkgs.	packages
		F.	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
Be.	Baume	ffa.	free fatty acid	prod.	producer
bgs.	bags	ffc.	free from chlorine	pt.	point
bbls.	barrels	fib.	fiber	pulv.	pulverized
bls.	bales	f.o.b.	free on board	purif.	purified
bots.	bottles	FPA	free of prussic acid	redist.	redistilled
b.p.	boiling point			refd.	refined
b.p.l.	bone phosphate of lime	frt.	freight	refy.	refinery
		fus.	fused	reg.	regular
b.r.	boiling range	gal.	gallon	resub	resublimed
bxs.	boxes	gran.	granular	ret.	returnable
C.	centigrade	grd.	ground	SD.	specially denatured
cbys.	carboys	i.&a.	iron and aluminum	s.d.	single distilled
CD	completely denatured	i.b.p.	initial boiling point	S. E.	southeast
				secs.	seconds
c.i.f.	cost, insurance, freight	imp.	imported	s.g.	specific gravity
		incl.	included	ship't	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u.	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks	railroad tank-cars
com'l	commercial	l.c.l.	less than car lots	tech.	technical
conc.	concentrated	liq.	liquid	USP	U S Pharmacopoeia
CP	chemically pure	m.a.p	mixed anilin point		
cps.	centipoises	M c.f.	thousand cubic feet	vis.	viscosity
cryst.	crystal			VM&P	varnish makers & painters
cs.	cases	min.	minimum		
ctns.	cartons	m.p.	melting point	W.	west
cyls.	cylinders	N.	nitrogen	w.w.	water white
dbl.	double	nat.	natural	whse.	warehouse
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phosphoric—Aldrin

Acid, phosphoric, food grade, 75%, cbys., c.l., works	100 lbs.	7.00	—
l.c.l., works, frt. alld.	100 lbs.	7.50	8.00
tanks, works	100 lbs.	5.00	—
NF, 85%, cbys., c.l., works	lb.	.08	.08¼
l.c.l., works	lb.	.08½	.09¼
Picramic, bgs	lb.	.63	.70
Picric, NF, 300-lb. bbls	lb.	.55	—
lots, dms	lb.	.81	.87
tech., bbls.	lb.	.32	.33
Propionic, synthetic, pure, dms., works	lb.	.25½	.26
tanks, works	lb.	.24	—
Pyrogallic, NF, (see Pyrogallol) tech., bbls	lb.	2.76	2.99
Pyroligneous, dms., incl., l.c.l., works	gal.	.36	—
whse	gal.	.504	—
Ricinoleic (see Acid, castor oil, split).			
S, bbls., works	lb.	3.25	—
Salicylic, crude, bgs	lb.	.33	.34
sublimed, tech., bbls. c.l	lb.	.35	—
l.c.l.	lb.	.42	—
dyestuffs grade, bbls	lb.	.36	—
USP, cryst., bbls	lb.	.44	—
powder, bbls	lb.	.49	—
Sebacic, purified, dms., c.l., works	lb.	.90¾	.91½
l.c.l., works	lb.	.92	.92¾
Soybean oil, double dist., dms.	lb.	.15	.16¼
single dist., dms	lb.	.14½	.15¾
Stearic, double pressed, bgs	lb.	.14¾	.16
single-pressed, bgs	lb.	.14¼	.15½
triple-pressed, bgs	lb.	.17	.18¼
Succinic, purified, cryst., bbls., works	lb.	.73	.75
Sulphanilic, tech., dms., c.l., frt. alld	lb.	.18	—
l.c.l., frt. alld	lb.	.20	—
Sulphuric 60° Be cbys. c.l., works	100 lbs.	1.75	—
l.c.l., works	100 lbs.	2.05	2.85
tanks, works	ton.	16.30	—
66° Be, cbys., c.l., works	100 lbs.	2.10	—
l.c.l., works	100 lbs.	2.30	3.10
tanks, works	ton.	20.00	—
98%, tanks, works	ton.	21.00	—
UP, NF, consumers, cbys., extra, c.l., works, frt. equald.	lb.	.09¾	—
l.c.l., same basis	lb.	.11¼	.11¾
5 pt. bottles extra cs., c.l., works, frt. equald	lb.	.13¾	—
l.c.l., same basis	lb.	.14¾	.20¾
fuming, 20% tanks, works	ton.	22.40	—
Tallow, dist., dms	lb.	.11	.12¼
hydrogenated, dms	lb.	.12¾	.14
Tannic, NF, USP XIII, fluffy, bbls., 1,000-lb. lots	lb.	1.59	1.60
smaller lots	lb.	1.65	1.76
powder, bbls., 1,000-lb lots	lb.	1.50	—
smaller lots	lb.	1.51	1.69
tech., dms	lb.	.95	—
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't.	lb.	.39½	—
smaller lots	lb.	.40	—
100-lb. dms	lb.	.41	—
small dms	lb.	.43	.45
imported, bgs	lb.	.48	—
Thioglycolic, refined, bgs., cbys., basis 100%	lb	1.60	1.86
Tobias bbls. frt. allo	lb	74	—
Acid, toluenesulphonic, dms., c.l., works	lb.	.18½	—
l.c.l., works	lb.	.20	—
tanks, works	lb	17	—
Trichloroacetic, bots	lb.	2.00	2.50
Trichlorophenoxyacetic (see under 2,4,5-T)			
Tungstic, tech., kgs., works	lb.	4.30	—
Undecylenic, dms	lb.	1.40	—
Aconite leaves, bls	lb.	.35	.40
Root, bls	lb.	.45	.50
Aconitine, amorph., mild, bots	oz.	27.50	32.50
cryst., potent, bots	oz.	78.00	85.00
Acrolein, dms., works	lb.	.50	—
Acrylonitrile, dms., c.l., works	lb.	.44½	—
l.c.l., works	lb.	.45	.47
tanks, works	lb.	.43	—
Adeps lanae (See Lanolin)			
Adonis vernalis herb, bls	lb.	.22	.24
Agar, USP, Kobe No. 1, strip, bls.	lb.	1.25	1.50
powdered, 30 mesh., fib. dms	lb.	1.60	1.85
Agaric, white, bls	lb.	2.25	Nom.
Agrimony herb, bls	lb.	.25	.30
Alanine dextro-laevo, dms., works,	lb	8.50	11.00
Albumen (egg) edible, flake, bbls.	lb.	2.02	2.04
powd., bbls	lb.	2.06	2.08
tech., cryst., bbls	lb.	1.07	1.06
Albumin, blood, dark (see Blood, dried, soluble).			
light, dms., l.c.l	lb.	.70	.80
Egg (see Albumen).			
Alcohol, allyl, dms. c.l., dlvd	lb.	.31¾	—
l.c.l. dlvd	lb.	.32½	—
tanks dlvd	lb.	.30	—
Amyl, ex fusel oil (see Fusel oil, ref.),			
ex pentane, dms., c.l., frt. alld.			
E. Miss	lb.	.21	—
l.c.l. frt alld E of Miss.	lb.	.22	—
tanks frt. alld. E. of Miss	lb.	.19	—
Alcohol, amyl, fermentation, refined, 126-132 C, dms., c.l., dlvd.	lb.	.33¾	—
l.c.l., dlvd	lb.	.34¾	—
tanks, dlvd	lb.	.32	—
128-132°C. dms. l.c.l. dlvd.	lb.	.36½	—
ACS grade, dms. l.c.l., dlvd	lb.	.38½	—
Benzyl, NF, dms	lb.	.65	.68
tech. dms. works, frt equald.	lb	45	50
Butyl, fermentation, normal, dms., c.l., frt. alld	lb.	.29¾	.30¾
l.c.l., frt. alld	lb.	.30¾	.31¾
tanks, frt. alld	lb.	.28	.29
synthetic normal dms. c.l., frt. alld	lb.	.20	—
l.c.l., frt. alld	lb.	.21	—
tanks, frt. alld	lb.	.18¼	—
secondary, dms. c.l. frt. alld.	lb.	.12¾	.14¾
l.c.l., dlvd., frt. alld	lb.	.13½	.15½
tanks, dlvd., frt. alld	lb.	.11	.13
tertiary, dms., c.l., frt. alld.	lb.	.13¾	—
l.c.l., frt. alld	lb.	.14½	—
tanks, frt. alld	lb.	.12	—
Capryl, 85%, dms., c.l., works	lb.	.19	—
l.c.l., works	lb.	.19½	—
tanks, works	lb.	.17½	—
95%, dms., c.l., works	lb.	.21¾	.30
l.c.l., works	lb.	.22¼	.32½
tanks, works	lb.	.20¼	.30
Cetyl, NF, fib. ctns., 140 lbs. or more	lb.	.72	.95
smaller lots	lb.	.72	1.00
extra, 500 lbs. or more	lb.	1.32	—
smaller lots	lb.	1.37	—
Cinnamic, bots	lb	2.75	3.20
Decyl, bots	lb.	1.70	2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Miss R	gal.	1.01½	1.03½
l.c.l., dlvd. E. of Miss. R.	gal.	1.05½	1.12½
tanks, dlvd. E. of Miss. R.	gal.	.89½	.91½
Tankcar sales require written authorization by Alcohol Tax Unit.			
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R	gal.	.69½	1.03½
l.c.l., same basis	gal.	.73½	1.12½
tanks, same basis	gal.	.57½	.91½
Tankcar sales require written authorization by Alcohol Tax Unit.			
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R.	gal.	1.01½	1.03½
l.c.l., same basis	gal.	1.05½	1.12½
tanks, same basis	gal.	.57½	.91½
SD2B, dms., c.l., E. of Miss. R.	gal.	1.02	1.04
l.c.l., same basis	gal.	1.06	1.13
tanks, same basis	gal.	.56	.92
SD3A, dms., c.l., E. of Miss. R	gal.	1.00½	1.01½
l.c.l., same basis	gal.	1.04½	1.10½
tanks, same basis	gal.	.56	.89½
SD23A, dms., c.l., E. of Miss. R.	gal.	1.00	1.05
l.c.l., same basis	gal.	1.04	1.14
tanks, same basis	gal.	.58	.91
SD23H, dms., c.l., E. of Miss. R.	gal.	1.01	1.03½
l.c.l., same basis	gal.	1.05	1.12½
tanks, same basis	gal.	.58	.91½
SD27A, dms., c.l., E. of Miss. R.	gal.	1.26	1.44
l.c.l., same basis	gal.	1.35	1.53
tanks, same basis	gal.	1.14	1.30
SD29, dms., c.l., E. of Miss. R.	gal.	1.02	1.07
l.c.l., same basis	gal.	1.06	1.16
tanks, same basis	gal.	.90	.93
SD30, dms., c.l., E. of Miss. R.	gal.	.99	1.01
l.c.l., same basis	gal.	1.03	1.10
tanks, same basis	gal.	.87	.89
SD35A, dms., c.l., E. of Miss R.	gal.	1.04	1.07
l.c.l., same basis	gal.	1.08	1.16
tanks, same basis	gal.	.61½	.95
SD40, dms., c.l., E. of Miss. R.	gal.	1.03	1.05
l.c.l., same basis	gal.	1.07	1.14
tanks, same basis	gal.	.58	.93
Diacetone, acetone free, dms., c.l., dlvd	lb.	.13¾	—
l.c.l., dlvd	lb.	.14½	—
tanks, dlvd	lb.	.12	—
tech., dms., c.l., dlvd	lb.	.13¼	—
l.c.l., dlvd	lb.	.14	—
tanks, dlvd	lb.	.11½	—
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Miss. R.	gal.	18.11	18.15¼
l.c.l., same basis	gal.	18.15	18.24½
tanks, same basis	gal.	17.99	18.01½
tax free, dms., c.l., dlvd. E. of Miss. R.	gal.	1.01	1.05½
l.c.l. same basis	gal.	1.05	1.14½
tanks, same basis	gal.	.89	.91½
absolute, 200 pf., tax paid, dms., c.l., same basis	gal.	19.08	19.12½
l.c.l., same basis	gal.	19.12	19.21½
tanks, same basis	gal.	18.96	18.98½
Ethylbutyl, dms. c.l., works	lb.	.29¼	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.28	—
Ethylhexyl, dms., c.l., dlvd	lb.	.29¼	—
l.c.l., dlvd	lb.	.30¼	—
tanks, dlvd	lb.	.27¾	—
Furfuryl, tech., cns., works	lb.	.31	—
dms., c.l., works	lb.	.22½	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.19	—
Isoamyl (see Alcohol, amyl fermentation, refined).			
Isobutyl, dms., c.l., dlvd	lb.	.19½	—
l.c.l., works	lb.	.20½	—
tanks, dlvd	lb.	.17½	—
Iso-octyl, dms., c.l., works	lb.	.29¼	—
l.c.l., works	lb.	.29¾	—
tanks, works	lb.	.26¼	—
Isopropyl, refd., 91%, dms., incl., c.l., dlvd	gal.	.5225	.5400
l.c.l., dlvd	gal.	.5640	.5900
tanks, dlvd	gal.	.3850	.4200
95%, dms. incl. c.l., dlvd	gal.	.55½	—
l.c.l., dlvd	gal.	.60½	—
tanks, dlvd	gal.	.43½	—
99%, dms., incl., c.l., dlvd	gal.	.58¾	.59
l.c.l., dlvd	gal.	.61	.64
tanks, dlvd	gal.	.43	.47
Lauryl, bots	lb.	2.00	2.50
Methyl (see Methanol).			
Methylamyl (see Carbinol, methyl-isobutyl).			
Nonyl (see Trimethylhexanol).			
Octyl, perfumer's grade, bots	lb.	1.70	3.25
technical (see Octanol normal).			
Pantothenyl (see Panthenol).			
Phenylethyl, dms	lb.	1.65	2.15
Polyvinyl, various grades, bgs., ton lots, works	lb.	.76	.81
smaller lots, works	lb.	.81	.86
Propyl, normal, dms., c.l., dlvd.	lb.	.13	—
l.c.l., dlvd	lb.	.14	—
tanks, dlvd	lb.	.11	—
Salicyl (see Saligenin).			
Tetrahydrofurfuryl, cns., Waverly, N. Y.	lb.	.49½	—
dms., Niagara Falls, N.Y.	lb.	.42½	—
l.c.l., Waverly, N.Y.	lb.	.45	—
tanks, Niagara Falls, N. Y.	lb.	.40	—
industrial grade, dms., c.l., Niagara Falls, N. Y.	lb.	.29	—
l.c.l., Waverly, N. Y.	lb.	.30	—
tanks, Niagara Falls, N. Y.	lb.	.27	—
Aldol, 95%, dms., works	lb.	.20	.21
denaturing grade dms.	gal	1.33	1.48
Aldrin, 60% solut. dms., c.l., works, frt. alld.	lb.	1.10	—
l.c.l. works, frt. alld.	lb.	1.30	—

For Perfumes or Plastics...



Food Products or Pharmaceuticals

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Ethyl Alcohol

Regardless of the uses to which you put Ethyl Alcohol—*or the quantities required*—you can always bank on the purity and uniformity of this Publicker product.

Furnished in 188 proof, 190 proof and Anhydrous, and you can be assured of prompt attention to your order!

PUBLICKER INDUSTRIES Inc.

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Sulphuric Acid (All Grades)
Muriatic Acid 20°
Nitric Acid 36° 38° 40° 42°
Chromic Acid
Acetic Acid
Pickling Acids
Inhibited Acids
Mixed Acids
Phosphoric 75% Food Grade
85% N.F. Grade

ALKALIES

Caustic Soda (Flake, Solid, Liquid)
Caustic Potash (Flake, Solid, Liquid)
Soda Ash, Light & Dense
Sodium Bicarbonate
Potassium Bicarbonate

AMMONIA

Aqua Ammonia 26°

SODIUM SULPHATE

Anhydrous 99.5%
Salt Cake

PHOSPHATES

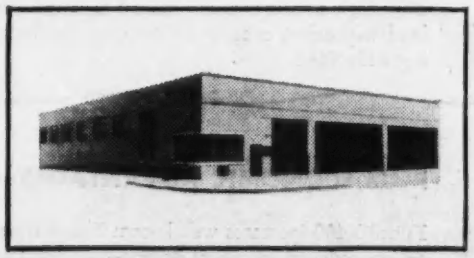
Disodium Phosphate Crystal
Trisodium Phosphate
Tetrasodium Pyrophosphate
Tripolyphosphate

MISCELLANEOUS

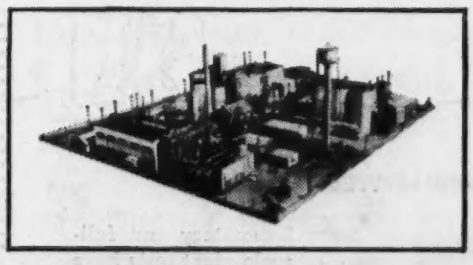
Calcium Chloride
V.C.F. Salt

FINE CHEMICALS

Facilities maintained for custom manufacturing at Cornwells Heights Plant.



PATERSON Warehouse and Sales Offices in Paterson, New Jersey



CORNWELLS HEIGHTS Plant and laboratories of Cornwell Chemicals on the Delaware River, Philadelphia (Cornwells Heights)

Cornwell Chemicals

PATERSON, N. J. LAmbert 5-2494
CORNWELLS HEIGHTS, PA. TOrresdale (Phila.) 4-7358

Aletris Root—Amyl Alcohol

Aletris root, bgs.....lb. 1.40 - 1.65
Alizarin, see Red alizarin
Alkanet, root, bgs.....lb. .28 - .50
Allethrin, 100%, dms., works....lb.42.50 - —
90% dms., works.....lb.38.25 - —
solution 20% dms., 100 lb. lots works..lb. 8.55 - 9.55
2½%, dms., works.....gal. 7.55 - —
Allspice (see Pimento).
Allyl, bromide, cbys., works.....lb. 1.35 - 1.40
Chloride dms. c.l., dlvd.....lb. .16¾- —
l.c.l. dlvd.....lb. .17½- —
tanks dlvd.....lb. .15 - —
Starch, solid, dms., works.....lb. .51 - —
solution 40% dms., works lb. 25½- —
Aloe, Cape, cs.....lb. .40 - .45
powdered, cs.....lb. .50 - .55
Curacao, kgs.....lb. .40 - .65
Socotrine, kgs.....lb. .25 - .35
Aloin, USP, bbls., dms., kgs....lb. 3.50 - 3.75
Alphanaphthol, bbls., frt. alld....lb. .85 - —
Alphanaphthylamine bbls. frt alld. lb 45 - —
Alphanaphthylthiourea 93-98% fib dms. works frt alld lb 2.00 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .39½- —
l.c.l., works, frt. equald lb. .40 - —
Alphapinene tanks South works gal. No prices
Alphaterpineol dms. l.c.l. dlvd lb. .17 —
Alphatocopherol, bots.....kilo.350.00 —
Acetate bots.....kilo.350.00 —
Althea root, NF, peeled, brs.....lb. .20 - .33

Alum ammonium, gran., dms., works..100 lbs. 4.30 - 4.70
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potassium, gran., dms., works 100 lbs. 4.55 - 4.95
lump, dms., works....100 lbs. 4.80 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Sodium, dms., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina calcined bgs. c.l., works lb. .03½- .05½
crystalline (see Aluminum oxide)
Aluminum acetate basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works lb. .15 - —
l.c.l., works.....lb. .15½- —
cryst., dms., c.l., works.....lb. .1030- —
l.c.l., works.....lb. .1070- —
solution, 32° cbys., c.l., works. lb. .0309- —
l.c.l., works.....lb. .0425- .0960
tankcars, works....100 lbs. 2.80 - —
NF, gran., dms., works.....lb. .29 - .31
Fluoride, tech. anhyd. bbls., c.l., works. lb. .11½- —
l.c.l., works.....lb. .14½- —
Formate, basic solution, cbys lb. .09¼- —
l.c.l. works lb to —
Hydrate, heavy, bgs., c.l., frt. equald..ton.60.00 - —
l.c.l., works.....ton.65.00 -65.00
light, bgs. dlvd.....lb .17 —

Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .24 - —
contract, works.....lb. .22 - —
8-9½% Al_2O_3, fib dms., works. lb. .20 - —
contract, works.....lb. .19 - —
dried, USP XIV, fib., dms., works. lb. .83 - —
contract works.....lb. .80 - —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls.....lb. .44 - —
Metal, 99%+, ingots, 10,000 lbs. lb. .19 - —
pigs, 10,000 lbs.....lb. .18 - —
Naphthenate, liquid, 1.7%, dms., frt. alld lb. .28½- —
Oxide, amorphous (see Alumina, Calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt alld lb. .14 - .15
kgs. ton, frt alld lb. .12¼- —
smaller lots frt alld. lb. 13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs. frt alld lb .31 —
500 mesh, dms., frt. alld.. lb. .35 - .37
kgs. frt alld lb. .34 - —
600 mesh, dms. frt alld. lb. .51 - .53
kgs. frt alld lb 50 - —
Aluminum oxide flour prices 1¢ of Denver ¼c. per lb higher.
optical, floated, kgs., dlvd....lb. .38 - .86
unclassified dms. frt alld. lb. 16 - .17
kgs. frt alld lb 15 —
Paste, lining, extra-fine, dms...lb. .59½- —
standard, dms.....lb. .41 - —

Aluminum powder, lining, extra fine, dms..lb. .97½- —
standard, dms.....lb. .68½- —
rubber comp., dms.....lb. .58½- —
unpolished, standard, dms....lb. .54½- —
varnish standard, dms.....lb. .59 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb dm., 1½c per lb for 50-lb dm. 3c per lb. for 10-lb. can, and 5c. to 12c per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs. 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .26½- —
Stearate, dibasic, etns., c.l.....lb. .37 - —
ton lots or less.....lb. .36 - —
monobasic, etns., c.l.....lb. .37 - —
ton lots or less.....lb. .36 - —
tribasic, etns., c.l.....lb. .37 - —
ton lots or less.....lb. .36 - —
Sulphate, com'l bulk c.l. works, 100 lbs. 1.63 - —
ground, bgs., works.....ton.33.00 - —
lump, bgs., works.....ton.36.00 - —
Iron-free ogs c.l. works, frt equald 100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.63 - 6.13
NF, gran., dms., works.....lb. .29 - .30
powd., dms., works.....lb. .36 - .37
Trihydrate heavy (see Aluminum hydrate)
Ambergris gray bots.....oz. 8.00 -10.00
Ambrette seed, bgs.....lb. .63 - .66
Aminoazotoluene, bbls.....lb. .94 1.03
Aminoethylethanolamine, dms., c.l., works. lb. .47 - —
l.c.l., works.....lb. .47½- —
tanks, works.....lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophylline, USP, 100-lb dms lb. 5.60 - 5.85
Aminopyrine USP bots. dms lb. 6.00 6.15
Ammonia anhydrous fertilizer, tanks, works. ton.79.00 -80.00
pure, cyls., extra zone 1....lb. .17 - .17½
2....lb. .19 - .19½
3....lb. .21 - .21½
4....lb. .16 .19½
refrigeration, tanks, works. ton.80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 —
l.c.l. works 100 lbs. 3.50 —
tanks, works, anhyd. basis ton.80.00 -86.00
Ammoniac gum (see Gum ammoniac).
Sal gray bgs. c.l. works, frt equald 100 lbs. 8.25 —
l.c.l., same basis 100 lbs. 9.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 4.60 —
l.c.l., works.....100 lbs. 6.25 —
Ammoniacal liquor tankcars, works, anhyd basis ton.75.00 -80.00
Ammonium acetate, purified, dms lb. .47 - —
benzoate, USP dms. kgs. 4.000 lbs. frt alld lb. .80 —
smaller lots, frt., alld..lb. .81 - 1.08
Biborate, bbls., c.l., works . ton.312.00 - —
ton lots, ex whse.....ton.375.00 - —
less ton lots, ex whse. ton.380.00 - —
Bicarbonate, dms., c.l., works lb. .05½- —
l.c.l., works.....lb. .06 - —
imported, dms., l.c.l.....lb. .07¼- .08¼
Bichromate, bbls., works.....lb. .33 - .38
Bifluoride dms., dlvd.....lb. .18¾- .19¾
Bromide, gran., NF, bbls.....lb. .38 - .39
dms.....lb. .39 .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech., (see Ammoniac sal)
USP, gran., bbls., dms.....lb. .19 - —
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride (see Bifluoride)
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 2.40 - —
Iodide, NF, jars.....lb. 4.01 - 4.11
Linoleate, 80% dms., works.....lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.69.50 - —
western 33.5% N, bgs., del., f.o.b. cars, Los Angeles ton.81.02 - —
domestic, bgs., western works, ton.61.00 -63.00
with dolomite, 20.5% N, bgs., Hopewell, Va. ton 48.50 - —
Oleate, 75%, dms., works.....lb. .55 - .60
Oxalate fine gran. dms.....lb. .25 - .31
Pentaborate, gran. bbls., c.l., works..ton.222.00 - —
ton lots, ex whse.....ton.285.50 - —
less ton lots, ex whse....ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works.....lb. .50 - .75
Persulphate, kgs.....lb. .30 - .35
Phosphate, com'l, bgs., c.l., works..lb. .08¼- —
l.c.l., works.....lb. .08¾- —
dibasic, NF, V bbls., dms....lb. .45 - —
tech., bgs., c.l., works.....lb. .06 - —
l.c.l., works.....lb. .06½ —
Salicylate, NF, dms. kgs.....lb. 1.34 1.35
Silicofluoride, dms., works.....lb. .13 - .14
Sulphamate, bbls. dms works lb. .18 .20
Sulphate, coke-oven, bulk, producing ovens..ton40.00 -45.00
synthetic, Gulf and Atlantic ports ton. No prices.
Sulphide, liq., 40-45%, dms., c.l., basis 100% works .lb. .10½- —
l.c.l., basis 100% works lb. .15½- —
tanks, dlvd. or frt. alld. lb. .09 - —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate tech., dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .30
Thioglycollate, com'l., cbys., 100% basis lb. 1.60 - —
highly purified, cbys., same basis lb. 1.70 - 1.96
Thiosulphate cryst., photo grade, fib dms., frt. alld.. lb. .50 - .55
Amphetamine citrate, dextro, bots. lb.36.00 -40.00
dextro-laevo, dms.....lb. 6.50 - 7.00
Hydrochloride, dibasic, dextro, bots..lb.36.00 -40.00
dextro-laevo, dms.....lb. 6.50 - 7.00
monobasic, dextro, bots.....lb.34.00 - —
Phosphate, dibasic, dextro, bots lb.36.00 -40.00
dextro-laevo dms lb. 6.50 7.00
Sulphide, liquid, 40-45%, dms., monobasic, dextro-laevo, dms lb. 6.25 - —
Sulphate, dextro, dms.....lb.36.00 40.00
dextro-laevo, dms.....lb. 6.50 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. lb. .29¾- .31¾
l.c.l., dlvd.....lb. .30¾- .32¾
tanks, dlvd.....lb. .28 - .30
High test amyl acetate, ex fusel oil, 1½c. per pound higher.
ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .21½- —
l.c.l., same basis.....lb. .22½- —
tanks, same basis.....lb. .19½- —
Alcohol (see Alcohol, amyl).

even Hard-to-Bleach fats and oils go to lowest color...

with new Filtrol X466

HOW X466 ACTS

X466, perfected by Filtrol laboratories, possesses such high adsorptive power that "off-grade" oils and fats, heavy in chlorophyll, carotene and other color impurities, can be handled readily and economically.

ANY OIL OR FAT—

Be it normal, dark colored, or hard-to-bleach vegetable oil, Filtrol X466 has the extra power to bleach to lowest possible color levels, with minimum oil losses due to the use of smaller amount of adsorbent to attain the same color. Both high and low grade animal fats and oils lend themselves readily to effective decolorizing with X466.

GIVES LOWEST COLOR—

Laboratory and full-scale plant tests have demonstrated that lower color is obtainable with X466 than with the best competitive adsorbents on the market.

PLUS ECONOMIC ADVANTAGES—

Filtrol X466 increases well known Filtrol economies—reduced adsorbent dosage—increased oil yield and quality—less press cake—smaller filter press requirements—lower adsorbent freight, handling, and storage costs.

Filtrol* ADSORBENTS CATALYSTS DESICCANTS

CORPORATION

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PLANTS: Vernon, California; Salt Lake City, Utah; Jackson, Mississippi

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*T.M. Reg. U.S. Pat. Off.

Amyl butyrate dms.....lb. .95 - 1.30
Cinnamic aldehyde, dms.....lb. 1.95 - 2.65
Nitrite, USP bots.....lb. 1.75 - 1.85
Salicylate, cns., dms.....lb. .80 - .85
Anethol, NF cns., dms.....lb. 1.35 - 1.60
Angelica root dom. bls.....lb. .60 - .70
imported, bls.....lb. .55 - .70
Angostura bark, bls.....lb. .43 - .45
Anilin oil, dms., c.l., works, frt. alld. lb. .18 - .19
l.c.l., works, frt. alld.....lb. .19 - .20
tanks, works, frt. alld.....lb. .17 - .18
Salt, dms., frt. alld.....lb. .39 - —
Anise, Chinese, star, bgs.....lb. .40 - .41
Czech, bgs.....lb. .15 - .16
Mexican, bgs.....lb. .16 - .16½
Spanish, bgs.....lb. .17 - .17½
Turkish, bgs.....lb. .15½ - .16
Anisic aldehyde, bots., dms.....lb. 2.50 - 2.85
Annatto powder, dms.....lb. .24 - .25
Seed, bgs.....lb. .22 Nom.
Anthracene, 80-85%, bbls., works..lb. 1.10 - —
90%, bbls., works.....lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld..lb. .85 - .88
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines.....lb. .42 Nom.
cases, c.l., mines.....lb. .42½ Nom.
Oxide, bgs, c.l., frt. alld.....lb. .44½- —
l.c.l., frt. alld.....lb. .45½- —
c.l., works, Idaho.....lb. .45 - —
l.c.l., same basis.....lb. .46 - —
Sulphide, 62-64%, ogs., frt. alld., dlvd..lb. .42 - .42½
Trichloride, pails, c.l., works...lb. .35¾- .50
l.c.l., works.....lb. .37½- .52
solution, cbys.....lb. .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, NF, dms.....lb. 2.50 - 2.60
Apomorphine hydrochloride, USP, bots..oz. 22.40 - 23.90
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, dms. kilo. 90.00 - 100.00
Argols, min. 80%, bgs., shipment ports, per 100 kilos (100% purity) 35.00 - —
Arnica (true montana) flowers, bls. lb. .65 - .66
root, bls.....lb. 1.45 - —
Arrowroot, powd., bgs.....lb. .16 - .18
Arsenic metal lump bbls., prompt shipt..lb. .80 - .90
Trioxide, USP, dms.....lb. .40 - —
White, powd., bbls., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07½- .09½
Asafetida, cs.....lb. .32 - .35
powd., bbls., dms.....lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l., (20 tons), mines...ton. 1,137.00 - —
No. 2, c.l. (20 tons), mines ton. 587.00 - —
Run-of-mine, c.l., (20 tons), mines..ton. 484.00 - —
fiber, 3K, c.l. (20 tons), mines..ton. 379.00 - —
3R, c.l. (20 tons), mines..ton. 323.00 - —
3T, c.l. (20 tons), mines..ton. 302.00 - —
3Z, c.l., (20 tons), mines..ton. 279.50 - —
4K, c.l. (20 tons), mines..ton. 150.50 - —
4M, c.l. (20 tons), mines..ton. 150.00 - —
4T, c.l. (20 tons), mines..ton. 135.00 - —
4Z, c.l., (20 tons), mines..ton. 135.00 - —
5D, c.l., (20 tons), mines..ton. 106.50 - —
5K, c.l. (20 tons), mines..ton. 106.50 - —
5M, c.l. (20 tons), mines..ton. 101.50 - —
5R, c.l. (20 tons), mines..ton. 91.60 - —
6D, c.l. (30 tons), mines..ton. 71.40 - —
7D, c.l. (30 tons), mines..ton. 63.00 - —
7F, c.l. (30 tons), mines..ton. 59.50 - —
7H, c.l. (30 tons), mines..ton. 50.50 - —
7K, c.l. (30 tons), mines..ton. 42.50 - —
7M, c.l. (30 tons), mines..ton. 37.00 - —
7R, c.l. (30 tons), mines..ton. 36.00 - —
7T, c.l. (30 tons), mines..ton. 34.00 - —
7RF, c.l. (30 tons), mines..ton. 37.00 - —
7TF, c.l., (30 tons), mines..ton. 37.00 - —
8S, c.l. (30 tons), mines..ton. 24.50 - —
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphalt, gilsonite, black, seconds, 300°-390°F. fusing point not uniform, bgs., c.l., Colo. ship. pt ton. 34.00 - —
select, 350°F. fusing point, bgs., c.l., same basis ton. 38.00 - —
270°-295°F. fusing point, bgs., c.l., same basis ton. 37.00 - —
jet, bgs., c.l., same basis ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Petroleum, cut-back, tanks, tankwagon, refinery gal. .09 - —
emulsion, tanks, tankwagon, refinery gal. .09½- .10
steam-refd., less than 80 penetration, tanks, tankwagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton. 21.00 - —
Aspirin (see Acid, Acetylsalicylic.)
Atropine, USP, bots.....oz. 10.75 - 13.75
Sulphate, USP, bots.....oz. 5.75 - 6.50

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root, bark, bgs.....lb. .35 - .40
tree bark, bgs.....lb. .40 - .45
Barbital, USP, 100-lb. dms.....lb. 5.00 - —
Sodium, USP dms.....lb. 5.25 - 5.27
Barium carbonate precip., bgs., 10 tons and up, works ton. 82.50 - 87.50
smaller lots, works.....ton. 92.50 - 97.50
Chlorate, kgs. works.....lb. .30 - .35
Chloride, NF cryst., dms.....lb. .19 - .21
anhy., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works.....100 lbs. 9.50 - 10.50
Chromate, bgs. frt. equald..lb. .31½- .32
Dioxide, dms., works.....lb. .15 - —
Hydrate, crystals, bgs.....lb. .09 - .09¼
Hydroxide, anhyd. bbls., works lb. .19 - —
Iodide, bots.....lb. 6.14 - —
Monoxide (see Oxide)
Nitrate, bbls., c.l., works.....lb. .15¼- —
l.c.l., works.....lb. .16¾- —
Oxide, grd., dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .12½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l.....lb. .41 - —
ton lots.....lb. .42 - —
less ton lots.....lb. .43 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls.....lb. .14 - —
Sulphide, dms, c.l. works ton. 55.00 - —
l.c.l. works ton. 70.00 - —
Baryte ore, approx 94% $BaSO_4$, bulk mines ton 9.40 - 12.50
Barytes, Southern off-color, bgs. mines..ton. 20.00 - —
95-75% bgs. mines ton 20.00 - —
water-grd., paper bgs., c.l., St. Louis ton. 37.60 - 37.85
ex-whse. N. Y.....ton. 53.45 - 61.75
Bauxite, bulk, mines.....ton. 9.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls.....lb. .45 - .50
root, bls.....lb. .45 - .50
Bentonite, 200 mesh bgs., works ton. 12.50 - —
Italian, white, high gel, bgs., l.c.l., works...ton. 71.40 - —
5 ton lots.....ton. 68.90 - —
ex dock, 10 ton lots..ton. 57.00 - —
Bentonite, Italian, white, low gel, bgs., l.c.l., works..ton. 69.70 - —
5-ton. 67.20 - —
ex dock, 10 ton lots, ton. 55.00 - —
Benzaldehyde, NF, dms.....lb. .73 - .76
tech., cbys., dms.....lb. .50 - .55
Benzal chloride, cbys., works....lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .02 - .0225
l.c.l., works, unit.....lb. .0210- .0225
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .0234- —
l.c.l., works, unit lb. .0295- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .0325- —
l.c.l., dlvd., gamma unit lb. .0333- —
Benzidine base, bbls.....lb. 1.02 - —
Hydrochloride, bbls., frt. alld..lb. .94 - —
Benzocaine, dms.....lb. 3.50 - 3.77
Benzol, pure, nitration, tanks, works, Bethlehem, Pa.....gal. .37 - —
Birmingham district.....gal. .30 - .35
Chicago district.....gal. .30 - .35
Cleveland district.....gal. .30 - .35
Geneva, Utah.....gal. .30 - —
Johnstown, Pa.....gal. .35 - —
Lackawanna, N. Y.....gal. .37 - —
Lone Star, Texas.....gal. .37 - —
Lorain, Ohio.....gal. .30 - —
Minaqua, Colo.....gal. .35 - —
Philadelphia, Pa.....gal. .37 - —
Pittsburgh district.....gal. .30 - .35
Sparrows Point, Md..gal. .37 - —
Syracuse, N. Y.....gal. .37 - —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .37 - —
Youngstown, Ohio.....gal. .35 - —
Benzophenone, dms.....lb. 1.45 - 1.70
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .20½- .23½
l.c.l., same basis.....lb. .21½ - .24½
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .65 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis.....lb. .22 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns.....lb. 3.00 - 4.00
Formate, cns.....lb. 1.60 - 2.10
Propionate, bots.....lb. 1.35 - 1.80
Salicylate, bots.....lb. 1.65 - 1.85
Benzylidineacetone, bots.....lb. 1.68 - 2.45
Benzylisoeugenol, bots.....lb. 6.80 - 10.50
Berberine, bisulphate, cns.....lb. 35.00 - 36.25
Hydrochloride, bots.....lb. 35.00 - 36.25
Sulphate, cns.....lb. 35.00 - 36.25
Berberis root, bls.....lb. .22 - .30
Betagammapicoline, 5°, dms., c.l., works lb. .29½- —
l.c.l., works.....lb. .30 - —
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .78½- —
tech., bbls., c.l., works.....lb. .32 - —
l.c.l., works.....lb. .34 - —
Benzoate, fib. dms., works.....lb. 3.00 - —
Custom contract.....lb. 1.65 - 1.85
Salicylate, dms.....lb. 3.00 - —
Betanaphthylamine, tech., bbls. works..lb. 1.05 - 1.10
Betaphenylethylamine, dms., works, 1,000-lb lots lb 1.25 - —
smaller lots.....lb. 1.30 - 1.60
Betapicoline, 98%, dms., works..lb. .95 - —
Beth root, bls.....lb 45 - .50
Biotin, cryst, bots.....gram. 10.00 - —
Bismuth chloride, jars.....lb 5.11 - —
Hydroxide, dms.....lb 4.65 - —
Metal, bxs. ton lots.....lb 2.25 - —
Nitrate cryst., dms.....lb 2.17 - —
Oxide, anhydrous, dms.....lb 4.47 - 4.85
Oxychloride, dms.....lb 4.32 - 4.37
Phenolsulphonate, fib. dms..lb 5.22 - —
Subcarbonate, USP, dms.....lb 3.20 - —
Subgallate, NF, fib. dms.....lb 3.15 - —
Subiodide, fib. dms.....lb 5.37 - —
Subnitrate, NF, dms.....lb 2.65 - —
Subsalicylate, USP dms.....lb 3.50 - —
Bismuto-ammonium citrate, USP, powd., jars lb 4.22 - —
Black, acetylene, bgs., c.l., works lb. .15 - —
cs., l.c.l., ship't point.....lb. .19 - .21
Bone, bgs., bbls., l.c.l., dlvd...lb. .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse. 1½c. per lb. higher
Carbon, channel, beads, bulk, c.l., works..lb. .07 - —
bgs., c.l., works.....lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
bgs. ctns., l.c.l., dlvd or whse lb. .16 - —

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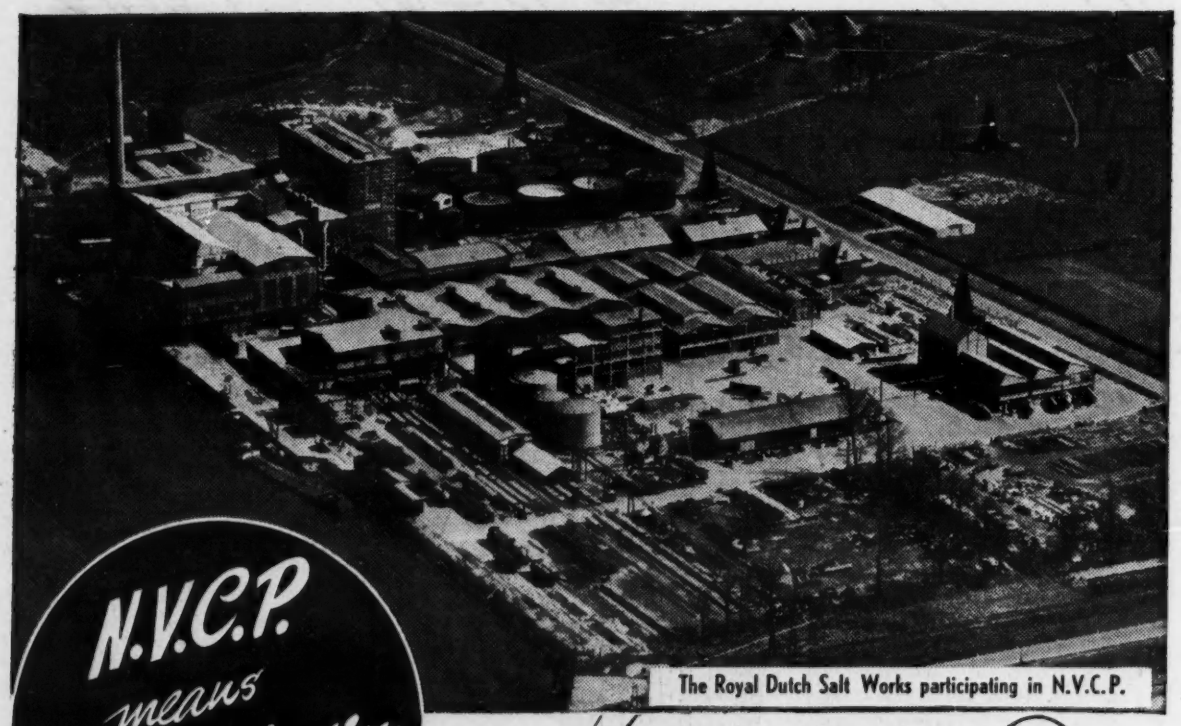
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Black, Carbon, Furnace—Calcium Arsenate

Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., divd. or whse lb. .1250- —
high modulus bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi reinforcing, bgs., c.l., works lb .04 - —
ctns. l.c.l. whse lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. 11 - —
l.c.l. works lb. 11¼ - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs. works lb .0160- .0675
Black ash (see Barium sulphide)
Blackberry bark of root, bls lb. .25 - .30
root bls lb. .12 - .15
Black dyes (see Dyes)
Black haw, root, bark, bls lb. .70 - .75
tree bark, bls lb. .35 - .40
Black indian hemp root, bls lb .50 - .56
Blanc fixe dry by-product, bgs., c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
direct process, bgs., c.l., works ton.90.00 - —
l.c.l., works ton.100.00 - —
N. Y. whse ton.120.00 -130.00
pulp 65@5% bbls c.l. works ton.84.00 - —
l.c.l., same basis ton.92.00 - —
Bleaching powder dms. c.l. works. 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 7.50 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 - —
soluble, bgs., c.l. lb. .18 - .19½
l.c.l. lb. .19 - .25
Bloodroot, bls lb. .68 - .70
Blue, alkali, dry, bbls., divd. N. of Penn and N.C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
Toner, bbls. litho flushed, same basis lb. 1.10 - —
Chinese, bbls., same basis lb. .48 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls., same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda)
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstate, PTMA bbls., same basis lb. 3.85 - —
Milori, bbls., same basis lb. .48 - —
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, bbls., same basis lb. .48 - —
soluble, bbls., same basis lb. .48 - —
Soda, C.P., bronze, bbls., same basis lb. .48 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .27 - .31½
regular types, dry, bbls., same basis lb. .23 - .31½
Victoria toner, molybdic PMA bbls lb. 3.90 - —
Tungstic PTMA bbls lb. 5.00 - —
Blue dry colors, divd. prices 45c higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .08 - .10
Bone, raw, bulk, Atlantic ports ton.60.00 - —
Meal, raw, 4½% ammon. 50% phos., bgs., works, E. ton.70.00 - —
steamed, works, E lb.72.50 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers bls lb. .40 - .45
Borax, tech., anhydrous, bgs., c.l., works ton 74.50 - —
ton lots, ex whse. N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse. N. Y or Chi ton.109.50 - —
less ton lots, same basis. ton.114.50 - —
Borax, tech., cryst., 99½%, bbls., c.l., works ton.88.25 - —
ton lots, ex whse. N. Y. or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00 - —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
ton lots, ex whse. N. Y or Chi ton.83.50 - —
less ton lots, same basis ton.88.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse. N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse. N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse. N. Y or Chi ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. is $45.50 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech
Bordeaux mixture, ngs. c.l. works, frt alld or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Borneol, cns lb. 2.25 - 2.50
Borontrifluoride, gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Bornyl Thiocyanoacetate (see Isobornyl Thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur)
Bromine purified cs. c.l. frt. alld. E. of Rockies lb. .25 - —
1,000 lbs., same basis lb. .27 - —
dms., lead-lined, divd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see A)
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works, lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms., works, lb. .80 - .85
Broomtop bls lb. .30 - .35
Brown iron oxide synth. bgs., l.c.l., works lb. .12 - .13
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered, bgs lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½ - .15½
raw, paper bgs., c.l., works lb. .04½- .12
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .08¼- —
l.c.l., works lb. .06½- —
raw, American, bgs., same basis lb. .06¼- .06¼
Turkey type bgs. same basis. lb. .06¼- .06¼
Vandyke, bbls works lb. .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate NF cns., 100 ozs. oz. .27 - .30
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .15
cut and sifted, bls lb. .18 - .21
Berries, bas lb. .80 - .90
Burdock root, bls lb. .22 - .26
Butadiene, cyls, refinery lb. .22 - —
tanks, same basis lb. .11¼- .12½
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E lb. .29¾- .30¾
l.c.l., same basis lb. .30¾- .31¾
tanks, same basis lb. .28 - .29
synthetic, normal, dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18¼- —
secondary, dms., c.l., same basis lb. .15¾- —
l.c.l., same basis lb. .16¼- —
tanks, same basis lb. .14 - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .21¾- —
l.c.l., works lb. .22¾- —
tanks, works lb. .20 - —
Chloride, dms., c.l., works lb. .43½- —
l.c.l., works lb. .44 - —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .49¾- —
l.c.l., same basis lb. .50¾- —
tanks, same basis lb. .48 - —
Laurate, dms., works lb. .39 - —
Methacrylate normal, dms., less than truckload, works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms lb 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald lb. .27½- .48¾
Butylamine, dms., c.l., frt. alld lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 - 5.23
Metal, ingots or sticks, cs., divd. lb. 2.55 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt equald lb 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 5.25 - —
anhydrous, dms lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs or more lb 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms. 100 lbs or more lb 2.60 - —
Hydrobromide, bots. lb. 7.72 - 8.07
Calamine, USP, dms lb. 34 - —
Calamus root, dom., natural, bgs. lb. .25 - .30
imported, bleached, bls lb 70 Nom
stripped, bls lb. .30 - .40
Calciferol cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams works gram 2.10 - —
1 to 24 grams works gram 2.30 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼ - —
less than 1,000 standard units, works unit .05¾ - —
Calcium acetate, bgs., divd. 100 lbs. 3.00 - 4.00
Arsenate dealers, dms. c.l. whse. works, frt. allwd. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .13 - .13



Calcium bromide, NF, jars	lb.	.90	1.10
Carbide standard generator size, dms., c.l., dlvd	ton.	128.00	—
Carbonate (see Chalk and Whiting).			
Chloride, cryst., purified, bbls., jars	lb.	.28	.30
flake, 77-80%, paper bgs., c.l., works frt. equald	ton.	25.00	—
liquor, same basis 40%, tank cars	ton.	10.50	—
pellets bgs., c.l., works	ton.	31.25	—
powdered, bgs., c.l., works	ton.	35.65	—
solid, 73-75% dms., c.l., frt. equald	ton.	23.50	—
t.c.l. works, same basis	ton.	32.00	69.00
USP, gran., bbls	lb.	.30	—
Chromate, bgs., frt. equald	lb.	.29½	.30
	lb.	.29½	.30
Cyanide, dms., dlvd E. of Rockies	lb.	.30	.50
Gluconate, AA, bbls., dms.	lb.	.65	.72
USP, bbls dms	lb.	.58	.65
Glycerophosphate NF, flb. dms.	lb.	2.05	2.15
Hydride, dms., works	lb.	.90	—
Hypochlorite, high test., ens., cased (45 lbs.) dlvd. E. of Rockies	cs.	21.00	23.00
100 lbs., dms., same basis	dm.	25.25	29.85
Hypophosphite, dms. ton lots or less	lb.	.90	.93
Iodide, jars	lb.	4.32	—
Lactate, USP dms., 10,000 lbs. or more, works	lb.	.40	—
smaller lots, works	lb.	.41	.47
Mandelate, USP, dms., works	lb.	2.10	2.25
Naphthenate, liq., 4% Ca, dms., frt. equald	lb.	.25¾	.26¼
Nitrate, tech., bbls., works	lb.	.10	.12
fertilizer grade, bgs., c.l., Los Angeles	ton.	49.25	—
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted	gram.	.07½	—
Phenolsulphonate, dms.	lb.	.70	—
Phosphate, dibasic, USP, bgs., c.l. 100 lbs.		7.00	—
t.c.l. 100 lbs.		7.25	7.50
feed grade, bgs., c.l., works	ton.	90.00	Nom.
t.c.l., bgs., works	ton.	95.00	Nom.
monobasic, bgs. 10,000 lbs., works, frt. equald	lb.	.0605	—
smaller lots, same basis	lb	.0655	—
tribasic, bgs., c.l. works	100 lbs.	6.75	—
t.c.l. works	lb.	7.20	7.50
Phytate, bgs., works	lb.	.28	—
Resinate, precip dms. frt. alld., works	lb.	.27½	—
Silicate, hydrated, bgs., c.l., works	lb.	.60	—
t.c.l. works	lb.	.65½	—
Stearate, ctns., c.l.	lb.	.39	—
ton lots	lb.	.40	—
less ton lots	lb.	.41	—
Sulphate (see Gypsum)			
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb lots, works	lb.	2.60	3.50
fine particle size, same basis, works	lb.	2.85	3.75
Calendula flowers, bls	lb.	.50	.55
Calomel, USP, powd., dms	lb.	4.02	—
Camphene, dms., extra, c.l., works.	100 lbs.	17.80	18.80
t.c.l., same basis	100 lbs.	18.30	19.65
tanks, same basis	100 lbs.	15.60	16.60
Chlorinated, 67-69% (see Toxaphene).			
Camphor monobromated NF, dms., kgs	lb.	3.00	3.10
natural, powd., 100-lb. lots, bbls	lb.	.45	.70
tablets, 1-oz., ½-oz., cs	lb.	.73	.93
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots	lb.	.55½	—
smaller lots	lb.	.56	.66
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.60	—
1,000-lb. lots	lb.	.61	—
smaller lots	lb.	.62	—
tablets, tins, 2,000-lb. lots	lb.	.93	—
1,000-lb lots	lb.	.94	—
smaller lots	lb.	.95	—
Canada balsam (see Fir balsam).			
Canella alba bark, bls	lb	25	30
Cantharides, Chinese, cs	lb.	1.05	1.10
powd., bxs.	lb.	1.15	1.20
Russian, bgs	lb	2.80	2.90
powd., bxs	lb	2.90	3.00
Capsicum (see Pepper, red)			
Oleoresin NF from domestic pepper	lb.	4.75	5.50
from African pepper	lb.	6.25	6.65
Caramel coloring NF bbls	gal.	1.05	1.20
Caraway seed, Dutch, bgs	lb.	.12¼	.12½
Carbazole, 97% steel dms., ton lots, works	lb.	1.55	—
bbls. same basis	lb.	1.65	1.85
Carbinol, methylisobutyl, dms., c.l., frt. alld. E	lb.	.15¼	—
t.c.l., same basis	lb.	.16	—
tanks, same basis	lb.	.13½	—
Carbon bisulphide, 50-gal. dms., c.l., works frt. alld to competitive points	lb.	.06½	—
t.c.l., same basis	lb.	.07½	—
5-gal dms. c.l. same basis	lb.	.06¾	—
t.c.l., same basis	lb.	.09¾	—
tankcars, same basis	lb.	.0480	—
Dioxide, cyls	lb.	.06	.08
Tetrachloride, CP, dms., works	lb.	.10½	.11½
NF, chys	lb.	.17	.19
tech., dms., c.l., E. of Rockies, frt. alld.	lb.	.06	—
W of Rockies, f.o.b. stock points	lb.	.09	—
t.c.l. E. of Rockies, frt. alld.	lb.	.10	—
W of Rockies, frt. alld.	lb.	.109	—
tanks, E. of Rockies, frt. alld.	lb.	.07¼	—
W of Rockies, frt. alld	lb.	.08¼	—
Carboxymethylcellulose-Sodium—See CMC			
Carbromal, NF dms. 100-lb. lots, works	lb	4.00	4.25
smaller lots works	lb	4.10	4.75
Cardamom fruit, bleached, A, cs.	lb.	4.60	—
medium, cs., futures	lb.	4.30	4.35
decorticated, Alleppey, cs.	lb.	3.90	3.95
Guatemalan cs.	lb.	3.60	3.65
Mangalore type, cs.	lb.	3.50	3.55
Indian, cs.	lb.	3.40	3.45
green, Alleppey, bgs.	lb.	2.60	2.70
Ceylon, bgs.	lb.	2.60	2.70
seed (See Cardamom fruit, decorticated)			
Carmine No. 40 NF bulk, 100 lbs. or more, dlvd	lb	5.50	—
smaller lots, dlvd	lb	5.65	6.15
Carotene, crystals, research grade, pure alpha or beta ampuls.	10 mg	5.00	—
90% beta 10% alpha, ampuls	100 mg	2.00	—
gram quantities, ampuls	gm.	5.00	—
technical, 1,350,000 A units per gram	ampuls	.07½	—
tins, works	gm.	.44	—
dry powder, 3,330 A units per gram., tins	lb.	.51	—
emulsion (in milk), 600,000 A units per 16-oz. can	per can.	1.00	—
in vegetable oil, 166,666 A units, per gram	lb.	25.24	—
50,000 A units per gram, ens	lb.	7.86	—
3,330 A units per gram ens.	lb.	.85	—
Carotene, cryst., tech., feed grade, 5,000,000 to 11,000,000 A units, per lb., dms., works, mill units.		.18	—
microcrystalline, in oil, 400,000 A units per gram, tins, works, mill units.		.26	—
Carvol, bots	lb.	8.75	10.50
Cascara sagrada bark, bulk	lb.	.37	.38
Casein, dom., acid-precip. standard, bgs., 10,000 lbs or more, ship't point	lb.	.42	.43
premium, bgs., 10,000 lbs. or more, ship't point	lb.	.44	.45
imp., acid-precip., ground, 100 bgs. or more, ex dock	lb.	.39½	.40
rennet-precip., bgs., 10,000 lbs. or more, ex dock	lb.	.39½	.42½
Cashewnut shell liquid, treated, dms c.l. f.o.b Newark, N.J	lb.	.21	—
ton lots same basis	lb.	.22¼	—
dm lo's same basis	lb.	.24¼	—
Cassia, Batavia, cuttings, bls.	lb.	.13½	.14
longstick	lb.	.17	.17½
shortstick, bls	lb.	.14	.14½
China, Canton, Kwangsi rolls, select, cs	lb.	.16½	.17
broken, bls.	lb.	.15½	.16
Honan, Yunnan, scraped, bls.	lb.	.23	.25
broken, bls	lb.	.22	.24
unscraped, bls	lb.	.22	.24
broken, bls.	lb.	.22	.22½
Saigon, broken, bls.	lb.	.26	.28
medium, bls	lb.	.33	.34
thin, bls.	lb.	.50	.51
Cassia, buds, bgs	lb.	.35	.38
Cassia fistula pods	lb	30	35
Castor beans, bgs., f.o.b. Brazilian ports, long ton.		250.00	Nom.
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	37.25	—
Castoreum, artificial, cns	lb.	9.00	9.25
natural, cns	lb.	7.00	30.00
Catechol, CP cryst. fib. dms., works	lb.	2.00	—
resublimed, dms. works	lb	4.60	—
Catnip leaves, southern, bls.	lb.	.65	.70
Celery seed, French, bgs.	lb.	.35½	.36
Indian, bgs.	lb.	.28½	.29
Celluloid scrap (see Pyroxylin scrap)			
Cellulose acetate flake, ctns, works, frt. alld. on 100 lbs. or more	lb.	.40	.50
molding, composition, plain colors, translucent, metallic pearls, special black, dms. c.l., frt. alld	lb.	.50	—
t.c.l., same basis	lb.	.53	—
regular black dms. t.c.l., same basis	lb.	.43	—
molding and extrusion transparents, dms., c.l., same basis	lb.	.55	—
t.c.l., same basis	lb.	.58	—
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis	lb.	.55	—
t.c.l., same basis	lb.	.58	—
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works	lb.	.62	—
less than 500 lbs. works.	lb.	.63	—
17.5% butyryl content, ctns., 500 lbs. or over, works	lb.	.56	—
less than 500 lbs. works	lb	.57	—
26.5% butyryl content 500 lbs. and over, works	lb.	.62	—
less than 500 lbs. works.	lb.	.63	—
37% butyryl content, ctns., 500 lbs. and over, works	lb.	.58	—
less than 500 lbs. works.	lb.	.59	—
Cellulose, acetate-butyrate, flake, 48% butyryl content, ctns., 500 lbs. and over, works	lb.	.70	—
less than 500 lbs. works.	lb.	.71	—
molding composition, plain colors, pearls transparents, special black, dms., t.c.l., frt. alld	lb.	.65	—
regular black dms. c.l. same basis	lb.	.53	—
Triacetate flake ctns works frt alld. on 100 lbs. or more	lb.	.52	—
Cerium hydrate, dms., works	lb.	1.44	1.60
Oxalate, NF, bbls., bgs., works	lb.	No prices.	
Oxide, optical grade, bgs., 50 lbs. or more, works	lb.	1.75	1.95
smaller lots, works	lb.	1.80	2.25
Chalk, precip., cosmetic, dentifrice, drugs, bgs., cl., works	lb.	.0295	.035
t.c.l., ex whse	lb.	.0395	.05
paint, bgs., c.l., works	ton.	40.00	—
papermakers, bgs., c.l., works	ton.	32.50	40.00
rubber makers, bgs., c.l., works	ton.	55.00	60.00
Chamomile flowers, Hungarian and Hungarian style, cs	lb.	.50	.55
Roman, cs.	lb.	.75	.80
Charcoal, activated, NF, flb. dms., c.l., works	lb.	.25	.32
5-ton lots works	lb	26½	27¼
smaller lots works	lb	27	50
Bone see (Black, bone)			
Hardwood, briquets, bgs., c.l., works	ton.	70.00	80.00
t.c.l., works	ton.	75.00	85.00
bulks, c.l., works	ton.	64.00	—
granular, bgs., c.l., works	ton.	65.00	—
t.c.l., works	ton.	65.00	—
lump, bulk, c.l., works	ton.	46.00	—

Production of high quality, properly bonded plywoods requires, above all, reliable resin adhesives. The specific use of the plywood determines whether a resorcinol-, phenol-, melamine- or urea-formaldehyde resin is most suitable. All of these resins require exacting formulation with chemicals of dependable uniformity and purity.

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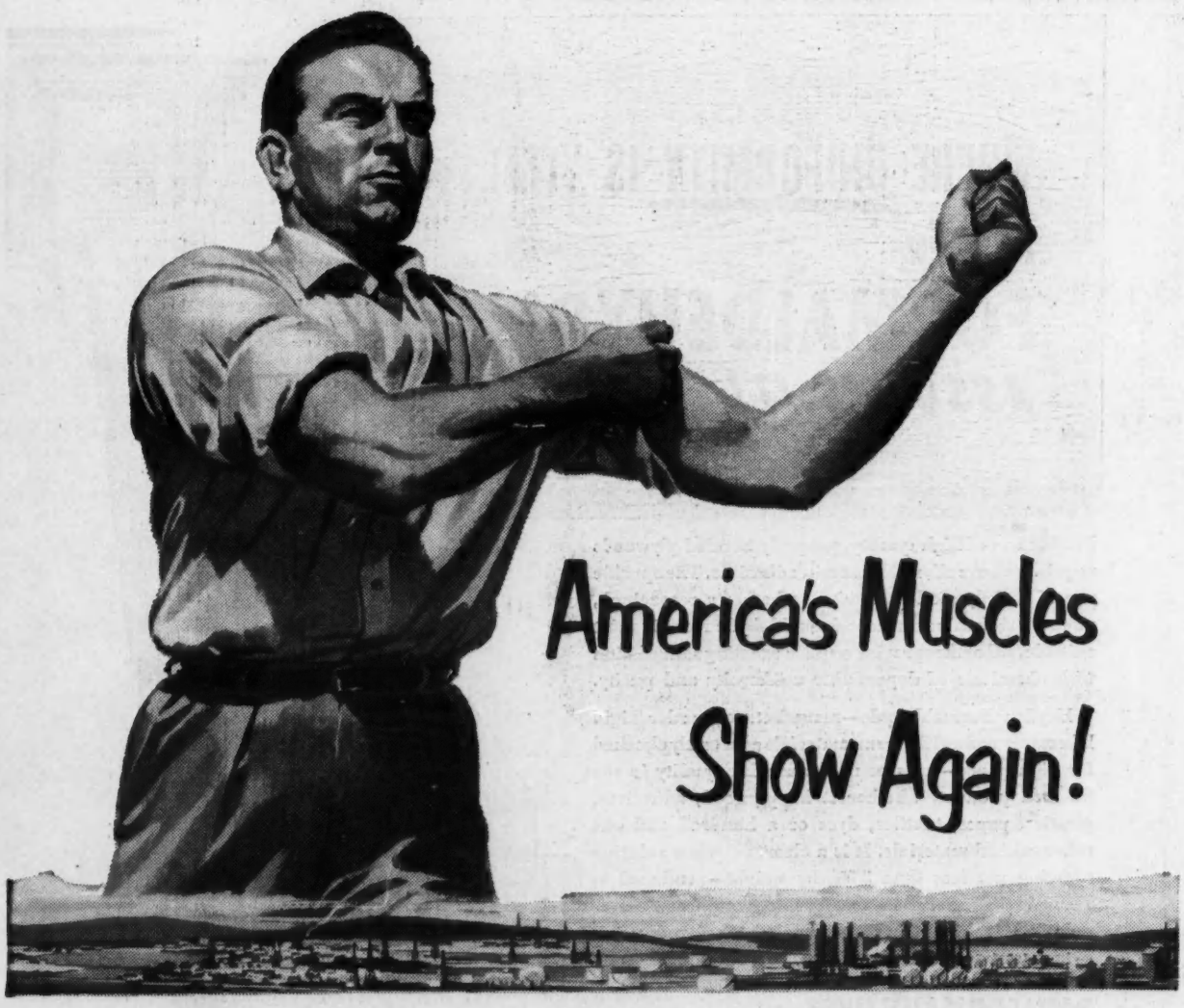
Charcoal, Pinewood—Cream of Tartar

Charcoal, pinewood, gran., powd., bgs., c.l., works, South	ton	43.50	—
l.c.l., works	ton	43.50	-53.50
lump bgs c.l. works South	ton	40.00	—
l.c.l., works, South	ton	50.00	-60.00
bulk, c.l., works, South	ton	33.50	—
Chestnut extract 25% tannin, bbls., c.l., works	lb.	.0510-	—
l.c.l., works	lb.	.0543-	—
tanks, works	lb.	.0425-	.0440
powd. 60% tannin, bgs., extra, c.l., works	lb.	.1092-	—
l.c.l., works	lb.	.1165-	—
Chloral, tech., 94% min., dms., c.l., works	lb.	.23	—
l.c.l. works	lb	.24	—
tanks, works	lb	.21	—
Hydrate, USP, 40-lb. jars, 1,000-lb. lots	lb.	1.30	—
500-lb. lots	lb.	1.33	—
100 lbs. or less	lb.	1.35	1.40
Chloramine T, NF, bbls., works	lb	75	1.00
Chlordane, agricultural, dms., pails, c.l., works	lb	65	—
l.c.l. works	lb	70	75
refined, dms., c.l., works	lb	75	—
l.c.l., works	lb	.80	.85
Chlorinated paraffin, 42%, dms., frt. alld., c.l.	lb.	.14	.14¼
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
Rubber, S. 10, 20 cps., ctns., works, same basis, l.c.l. c.l	lb.	.58	—
	lb.	.59	.60
125, 1,000 cps., ctns., same basis, c.l	lb.	.60	—
l.c.l.	lb.	.61	.62
Chlorine, liquid, cyls., c.l., N.Y.	lb.	.08¾-	—
l.c.l., N.Y., stock points	lb.	.10¼-	—
tanks, single units, works, frt. equald. 100 lbs.		2.70	—
multiple units, 3 cars, works, frt. equald. 100 lbs.		3.20	—
2 cars, same basis 100 lbs.		3.80	—
1 car, same basis 100 lbs.		4.40	—
Chloroform, tech. dms., c.l., dlvd. E	lb.	.17	.18
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.16	—
USP, dms. works	lb.	.30	.35
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	—
Chlorophyl, oil-soluble, copper fixed, 6½% tins, pails, works	lb.	3.75	4.50
not fixed, 4%, tins, pails, works	lb.	3.75	4.50
water-soluble, copper fixed, 20%, tins, pails, works	lb.	17.50	-18.50
40%, tins, pails, works	lb.	36.00	-37.00
50%, tins, pails, works	lb.	40.00	-50.00
75%, tins, pails, works	lb.	66.00	-76.00
not fixed, 4%, tins, pails, works	lb.	3.50	- 4.50
14%, tins, pails, works	lb.	11.50	-13.00
25%, tins, pails, works	lb.	50.00	-55.00
Chloropicrin, com'l, bots	lb.	1.50	—
cyls., 150 lbs., frt. alld.	lb.	.95	—
100 lbs., same basis	lb.	.97	—
25 lbs., same basis	lb.	1.22	—
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	8.80	- 9.30
5-lb. pkg.	lb.	9.00	-10.50
1-lb. pkg.	lb.	9.50	-10.50
Choline bitartrate fib dms., frt. adjusted	lb	2.30	2.55
Chloride, fib dms., same basis	lb	2.30	2.55
Dihydrogen citrate, fib dms., same basis	lb	2.30	2.55
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks	
solut., 7½% bbls., works	lb.	.08½-	—
cbys	lb.	.10¼-	—
8½%, bbls., works	lb.	.09	—
cbys	lb.	.10¾-	—
Fluoride, bbls., works	lb.	.44½-	—
Green (see Green, chrome).			
Oxide (see Green, chromium oxide)			
Oleate, solid, bbls.	lb.	.49	—
Trioxide, NF, bots.	lb.	.32	—
Yellow (see Yellow chrome).			
Chrysarobin, USP, bots.	lb.	6.50	- 8.99
Cinchona bark, NF, red, broken, bgs.	lb.	.28	- .30
yellow, broken, bgs.	lb.	.28	- .30
Cinchonidine cryst. cns., 100 ozs.	oz.	.71	- .72
Sulphate, cns., 100 ozs.	oz.	.37	- .40½
Cinchonine, cryst., cns., 100 ozs.	oz.	.37	—
Sulphate, NF, cns., 100 ozs.	oz.	.27½-	—
Cinchophen NF heavy density, dms., frt. adjusted	lb.	3.70	4.05
Standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb	4.50	4.85
Cinnamic alcohol (see Alcohol, cinnamic)			
Aldehyde, NF, cns., dms.	lb.	1.05	- 1.30
Cinnamon, Ceylon, No. 2, bls.	lb.	.28	- .29
Citral, bots., cns.	lb.	7.75	- 8.30
Citronellal, bots., dms.	lb.	4.00	- 4.75
Citronellol, bots., dms.	lb.	3.20	- 3.25
Civet, artificial, bots.	lb.	13.75	-15.00
natural, bots.	oz.	4.00	- 7.00
Clay, ball, dom., crushed, bulk, Tennessee	ton.	10.00	-12.00
airfloated, bgs., c.l., Tennessee.	ton.	19.50	—
purified, bgs., c.l., Tennessee.	ton.	20.50	—
imported, lump, bulk, Atlantic port	long ton.	27.00	-30.00
airfloated, bgs., c.l., Atlantic port	long ton.	44.00	-46.00
Clay, ball, imp., pulverized, bgs., l.c.l., all ports	ton.	55.00	—
97%, 200 mesh, bgs., c.l., Georgia	ton.	11.00	—
China, dom., dry-grd., air-float, 99%, 300 mesh, bgs., c.l., works	ton.	11.50	-14.50
l.c.l., works	ton.	35.30	—
bulk, c.l., works	ton.	8.50	-11.50
99%, 200 mesh, bgs., c.l., works	ton.	13.50	-17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me.	gross ton.	20.00	-40.00
powd., bgs., c.l., ex dock, net	ton.	45.00	—
l.c.l., ex whse.	net ton.	56.00	-60.00
Clove, Madagascar, bls	lb.	.58	- .59
Zanzibar, bls.	lb.	.60	- .61
Clover tops, red, bgs.	lb.	.80	- .85
CMC, purified, high vis., (see Gum, cellulose).			
standard low vis., bgs., 23,000 lbs. or over, works, frt alld.	lb.	.60	—
smaller lots, same basis	lb.	.62	—
medium vis., bgs., 23,000 lbs. or over, works, frt. alld.	lb.	.57	—
smaller lots, same basis	lb.	.59	—
technical, high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., 100% basis	lb.	.56	—
2,000 to 20,000 lbs., dlvd. E	lb.	.58	—
less than 2,000 lbs., dlvd. E	lb.	.62	—
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E, 100% basis	lb.	.46	.47
l.c.l., dlvd. E	lb.	.48	.49
58% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.34	—
l.c.l., dlvd. E	lb.	.36	—
47½% purity, bgs., c.l., dlvd., E., 100% basis	lb.	.46	—
l.c.l., dlvd. E	lb.	.48	—
36½% purity, bgs., c.l., dlvd. E., net weight basis	lb.	.18½-	—
l.c.l., dlvd. E	lb.	.20	—

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse.	gal.	.25	.27½
l.c.l., ex-whse.	gal.	.27	.28½
tanks, ex-whse.	gal.	.15	—
refd., resale, bbls., c.l., ex whse.	gal.	.26	.28½
l.c.l., ex-whse.	gal.	.28	.29½
tanks, ex-whse.	gal.	.15½-	.16
Cobalt acetate, 23.7% bbls., dlvd	lb.	1 11	—
Carbonate 48%, powd., bgs., works	lb.	1.54	—
Chloride, 24.2% Co., kgs., works,	lb.	1.06½	—
Hydrate, 60-61% Co., bbls	lb.	2.41	—
Linoleate fused, 8½% Co., dms	lb.	.62¼-	—
liquid, 6% Co., dms	lb.	.51¾-	—
Metal, 97-99%, kgs., ex-whse	lb.	2.40	—
under 100 lbs., ex-whse	lb.	2.17	—
Naphthenate, liq., 6% Co., dms.,	lb.	.42¼	—
Nitrate, 20.1% Co., bbls	lb.	.96	—
Oxide, 70-71% Co., black, kgs	lb.	1.60	—
Phosphate, powdered, 32.1% Co., kgs	lb.	1.49	—
Resinate, fused 3% Co., dms	lb.	.26¼	—
Sulphate, 21% Co., bbls	lb.	1.22¼-	—
Cocaine USP cns., 100-oz	oz.	15.00	—
Hydrochloride cns. 100-oz lots.	oz.	11 75	—
Cochineal, gray, bgs.	lb.	.67	- .72
Cocillana bark, bgs.	lb	.15	- .17
Cocoa butter, bgs.	lb.	.59½-	—
Codeine NF cns. 100 ozs.	oz.	13.25	—
Hydrochloride, cns. 100 ozs.	oz.	11.85	—
Phosphate, USP cns., 100 ozs.	oz.	10.25	—
Sulphate USP cns. 100 ozs.	oz.	10 75	—
Codliver oil (see Oil, codliver).			
Cohosh black root, bls.	lb.	.13	- .22
Blue root, bls.	lb	17	18
Colchicine USP bots. cns.	oz.	74.50	-85.00
Colchicum root, bls.	lb.	.46	- .52
Seed, bgs.	lb.	.80	- 1.10
Collodion, USP, dms.	lb.	.32½-	—
Flexible USP ams.	lb.	.34	—
Colocynth pulp bls.	lb.	.30	.35
Colombo, root, bls.	lb.	.11	- .14
Coltsfoot leaves, bgs.	lb.	.25	- .30
Condurango bark, bgs.	lb.	.17	- .18
Copaiba balsam, cns., dms.	lb.	1.55	- 1.65
Copper acetate, bbls., c.l. works	lb.	.37	—
l.c.l., works	lb.	.38	—
Carbonate 55% bgs. works	lb.	.22	.23¼
Chloride, anhyd., bbls., works	lb.	.34½-	—
crystals, bbls., works	lb.	.22¾-	—
Citrate USP 5-lb bots	lb	2.40	—
Cyanide, tech., bbls.	lb.	.61	- .639
Gluconate cns dms	lb	3.00	3.24
Hydrate, dms. frt. alld. E. Miss.	lb.	.27½	.28
Metal, electrolytic.	lb.	.24½-	.27¼
Naphthenate, liquid, 8% Cu., dms., frt. alld	lb.	.24¾-	—
Nitrate tech. cryst. bbls. works,	lb.	.25¼	—
Oleate, solid, 9% Cu, dms, works,	lb.	.45	—
Oxide, black, bbls., works	lb.	.39	.42
red, com'l, bbls., works, c.l	lb.	.41	.47
l.c.l.	lb.	.43	.49
Oxychloride-suphate, bgs., frt. alld	lb.	.24¼	Nom.
Quinolinalate, fib., dms.	lb.	4.25	- 4.50
Resinate precip dms. frt. alld.	lb.	.27½	—
Stearate, ton lots, works	lb.	.38½-	.39¼
less ton lots, works	lb.	.40½-	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	8.95	- 9.95
l.c.l.	100 lbs.	9.20	-10.95
CP, cryst., gran., bbls., works	lb.	.1615-	—
monohydrated, 35%, dms., c.l., works	100 lbs.	14.95	-15.50
tribasic, dealers, bgs., c.l., works, frt. alld.	100 lbs.	25.60	—
l.c.l., works	100 lbs.	27.10	—
USP, gran., cryst., dms.	lb.	.1615-	.2500
Undecylenate, dms.	lb.	2.50	- 3.00
Copperas, cryst. gran., bgs., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.55	2.00
bulk, c.l., works	ton.	14.00	—
bbls., c.l., works	ton.	20.00	—
Copra, c.i.f. Atlantic, Gulf ports	ton.	192.50	—
Pacific ports	ton.	187.50	—
Coriander seed, Argentine, bgs.	lb.	.14	- .14½
Czech, Roumanian, bgs.	lb.	.14	- .14½
Moroccan, bgs., spot	lb.	.11	- .11½
futures	lb.	.10¾	.11
Corn sugar, tanners, chipped, paper bgs, c.l., 60,000 lbs. min.	100 lbs.	6.94	—
Syrup, 42°, dms., c.l.	100 lbs.	6.96	—
l.c.l.	100 lbs.	7.11	—
Cornsilk, bls.	lb.	.12	.14
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more	lb.	3.68	—
gran., powd., dms., 50 lbs. or more	lb.	3.53	—
Cottonroot, bark, bls.	lb.	.26	.28
Cottonseed hull ash 32-36% potash, bgs dlvd unit-ton		1.75	—
Meal, 41% protein, sacked, Memphis	ton.	73.00	—
Coumarin, cryst., NF, cns.	lb.	2 95	- 3.25
powd., cans	lb	3 25	3 50
Cramp bark, NF, bls.	lb.	.85	.90
Cranesbill root, bls.	lb	.55	60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. cns shipment	lb.	.34½-	—
smaller lots, bbls., kgs	lb.	.35	.36
Imported, kgs.	lb.	.31¼-	.33¼



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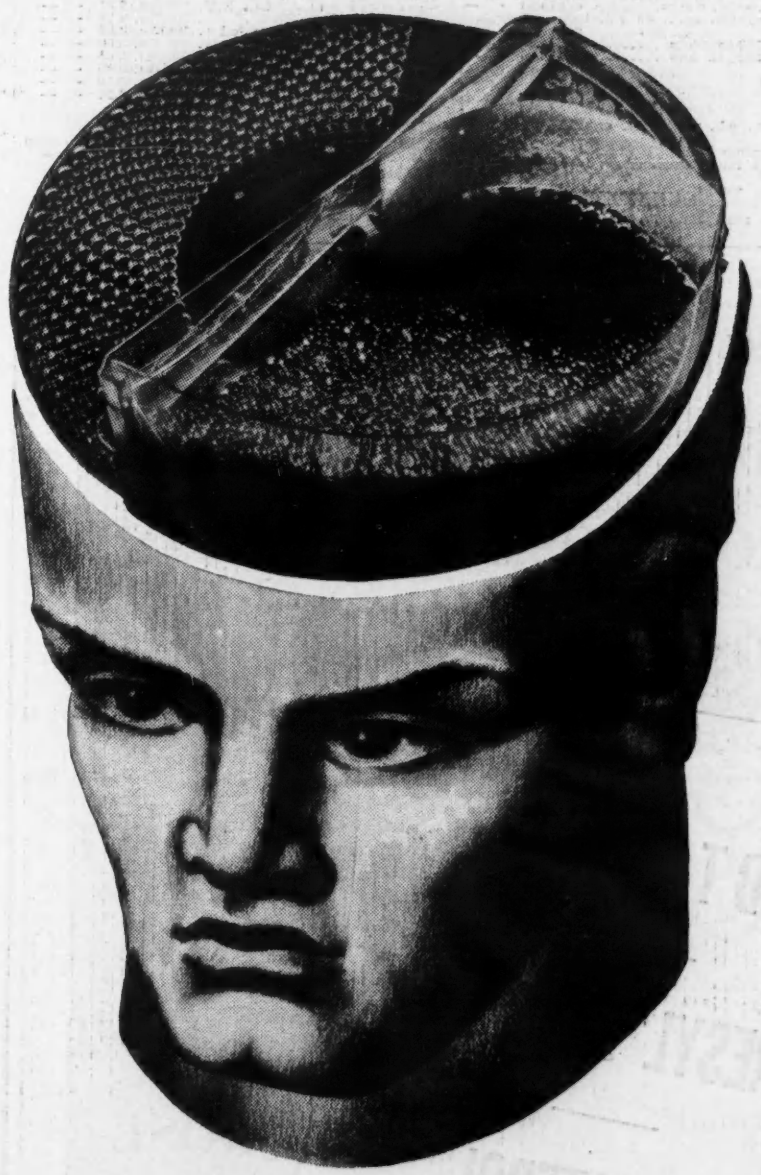

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Creosote—Dimethyl Sulphate

Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .39 - —
i.c.l. same basis gal. .41 - —
tanks same basis gal. .27 - —
solution, 80%, tanks, works gal. .198 - —
Beechwood, cbys., dms lb. 1.35 - 1.40
Hardwood, bots., cbys lb. 1.05 - 1.10
Pinewood, dms gal. .31 - .32
Carbonate, NF bots. cbys lb. 2.80 - 2.90
Cresol tech., dry, above 207°C, non-ret. dms. c.l. frt. equald. lb. .158 - —
i.c.l., same basis lb. .161 - —
ret. dms., c.l., same basis. lb. .155 - —
i.c.l. same basis lb. .16 - —
tanks, same basis lb. .145 - —
USP non-ret. dms., c.l., same basis lb. .168 - —
i.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .16¼- —
i.c.l., same basis lb. .17 - —
tanks, same basis lb. .155 - —
Crotonaldehyde 91-93% dms., c.l. works lb. .22 - —
i.c.l., works lb. .23 - —
Cryolite, nat., dealers, bgs., c.l., dlvd. 100 lbs. 15.25 - —
i.c.l., dlvd. 100 lbs. 16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .25 - .26
Cubeb berries, XX NF, bgs lb. .45 - .50
powd., cs. lb. .55 - .60
Culvers root, bbls lb. .65 - .75
Cumene dms., c.l., works lb. .12 - —
i.c.l. works lb. .14 - —
tank works lb. .11 - —
Cumin seed, Indian, bgs lb. .22½- .23
Iranian, bgs lb. .22 - .22½
Moroccan, bgs. lb. .22½- .23

Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08 - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contracts, ton 65.45 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
i.c.l., works lb. .11¼- —
tanks, works lb. .09¼- —
Cyclohexanol, tech. dms., c.l., works. lb. .37¼- —
i.c.l., works lb. .37¾- —
tanks, works lb. .35¾- —
Cyclohexanone, tech., dms., c.l. lb. .28½- .30
i.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .41½- —
i.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Cyclopropane, CP, 2 lb. cyls, works. cyl. 48.00 - —
6 oz. cyls., works cyl. 12.00 - —
USP hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2, 4-D bbls., c.l., works frt. equald. lb. .61 - —
i.c.l., same basis lb. .67 - —
isopropyl ester, dms., c.l., works. lb. .67 - —
i.c.l., works lb. .72 - .74
Damiana leaves, bls lb. .30 - .35
Dandelion root, bls lb. .45 - .50

DDD, tech., fine grd. fib. dms., c.l., works lb. .60 - —
i.c.l., works lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald lb. .44 - .50
smaller lots, same basis lb. .46 - .51
Decanol, normal, tech., dms., c.l., dlvd lb. .41½- —
i.c.l., dlvd lb. .43½- —
tanks, dlvd lb. .39 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 13% P, paper bgs., works ton 49.25 - —
18½% P, paper bgs., works ton 62.75 -63.75
Rock, 14½% P, paper bgs. works ton 50.00 - —
Degras, common, bbls lb. .13½- .14
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 -34.00
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y. 100 lbs. 8.61 - —
i.c.l. 100 lbs. 8.76 - —
canary, paper bgs., c.l. 100 lbs. 8.35 - —
i.c.l. 100 lbs. 8.50 - —
dark, paper bgs., c.l. 100 lbs. 8.45 - —
i.c.l. 100 lbs. 8.60 - —
white, paper bgs., c.l. 100 lbs. 8.19 - —
i.c.l. 100 lbs. 8.34 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs lb. .0860- .0910
Dextrose, USP dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb 3.00 - —

Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
i.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
i.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. ton. 62.00 - —
California ton. 50.00 - —
i.c.l. ex whse ton. 90.00 - —
Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
i.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .75¾- —
i.c.l., works lb. .76¾- —
tanks, works lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd. lb. .40¾- —
i.c.l., dlvd. lb. .41¾- —
tanks, dlvd lb. .39 - —
Sebacate, CP, dms., c.l., works. lb. .69¼- —
i.c.l., works lb. .70¼- —
tech., dms., c.l., works lb. .67¼- —
i.c.l., works lb. .68½- —
Tartrate, dms., works, frt. alld lb. .79 - —
Dibutylamine, dms., c.l., frt. alld lb. .54¾- —
i.c.l., frt. alld lb. .55¾- —
tanks, frt. alld lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .41¾- —
i.c.l., dlvd lb. .42¾- —
tanks, dlvd lb. .40 - —
Sebacate, dms., c.l., works lb. .63¼- —
i.c.l., works lb. .64¼- —
tanks, works lb. .61¼- —
Dichloroaniiin, dms., works lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .06 - —
i.c.l., works lb. .07 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
i.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works. lb. .46 - —
i.c.l., works lb. .46¾- —
tanks, works lb. .44½- —
Dicyclohexylphthalate, fib. dms., c.l., works. lb. .60 - —
i.c.l., same basis lb. .61 - —
Dieldrin, dms., c.l., frt. alld lb. 3.06 - —
l.c.l., frt. alld lb. 3.50 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .29¼- —
i.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
i.c.l., same basis lb. .47¾- —
tanks, same basis lb. .45 - —
Malcate, dms., c.l., dlvd lb. .50 - —
i.c.l., dlvd lb. .51 - —
tanks, dlvd lb. .48¼- —
Oxalate, dms., c.l., frt. alld lb. .41¾- —
i.c.l., same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .31¾- .34¼
i.c.l., dlvd. lb. .32¾- .35¼
tanks, dlvd lb. .30 - .32½
Sulphate, dms., c.l., works lb. .17¼- —
i.c.l., works lb. .17¾- —
tanks, works lb. .15¼- —
Dichlorodiphenyldichloroethane (see DDD).
Diethylamine, dms., c.l., frt. alld, E lb. .62¼- —
i.c.l., same basis lb. .63¼- —
tanks, same basis lb. .60½- —
Diethylaniiin, dms. lb. .49 - —
Diethyleneglycol, dms., c.l., frt. alld, E lb. .20¼- —
i.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., l.c.l. lb. .32½- —
Diethylether, dms., c.l., works lb. .46½- —
i.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
i.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monobutylether acetate, dms., c.l., works lb. .30 - —
i.c.l., works lb. .30½- —
Monoethylether, dms., c.l., works. lb. .20¼ - —
i.c.l., works lb. .20¾ - —
tanks, works lb. .19 - —
Monoethylether, acetate, dms., c.l., works lb. .26¼- —
i.c.l., works lb. .26¾- —
Monomethylether, dms., c.l., works. lb. .24¾- —
i.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
i.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works, frt. alld lb. .67½- —
i.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¾- —
Diethylstilbestrol, USP, bots., 100 kilo lots kilo. 135.00 -160.00
10 kilo lots kilo. 140.00 -210.00
1 kilo lots kilo. 150.00 -230.00
Digitalin, cryst., bots gram. 10.00 -12.50
powd., bots oz. 25.00 -30.00
Digitalis, leaves, bls lb. 1.10 - 1.20
Digitoxin, USP, bots gram. 8.00 - 9.60
Diglycol, laurate, dms lb. .37 - —
Oleate, dms lb. .36 - —
Stearate, dms lb. .36½- —
Dihexyl sebacate, dms., c.l., works. lb. .51¾- —
i.c.l., works lb. .52¾- —
tanks, works lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate bulk, 50 kilos or more gram. .324 - —
unlabeled 1-gram vials, 1 to 500,000 vials vial. .384 - —
5-gram vials, 1 to 500,000 vials vial. 1.760 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd lb. .16¾- —
i.c.l., dlvd lb. .17¾- —
tanks, dlvd lb. .15 - —
Di-isobutylene, dms., c.l., works lb. .09¼- —
i.c.l., works lb. .10 - —
tanks, works lb. .07½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .41¾- .43
i.c.l., same basis lb. .43¾- .43
tanks, same basis lb. .40 - —
Di-isopropylamine, dms., c.l., works, frt. alld., E. of Miss lb. .49¾- —
i.c.l., same basis lb. .50¾- —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs lb. .12 - .13¼
Dimethyl anthranilate, cns lb. 5.50 - 5.90
Chloroacetal, dms., c.l., works lb. .53 - —
i.c.l. works lb. .55 - —
tanks, works lb. .51 - —
Hydroquinone, dms lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd lb. .28¾- .31¾
tanks, dlvd lb. .27 - .30
i.c.l., dlvd lb. .29¾- .32¾
Sebacate, dms., c.l., works lb. .78¾- —
i.c.l., works lb. .79¾- —
tanks, works lb. .77 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
i.c.l. works lb. .16 - —
10-gal. ret. dms., works lb. .16½- —

MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
DDT Government Specifications
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Dimethylamine 25-40% dms., c.l. works, basis 100%..lb. .37 - .38
l.c.l., works, basis 100%...lb. .37½ - .38½
tanks, works, basis 100% lb. .32 - —
Dimethylaniline, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld. lb. .27 - —
tanks, frt. alld. lb. .25 - —
Dimethylethanolamine, dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
Dinitroaniline, dms., frt. equald. lb. .57 - —
Dinitrobenzene, crude, dms. lb. .20 - —
purified, dms lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .18 - —
l.c.l., frt alld E lb. .19 - —
tanks, frt. alld. E lb. .17 - —
Dinitrophenol, bbls lb. .34 - —
Dinitrotoluene, oily, dms lb. .10 - —
refd., dms lb. .21 - —
Dioctyl adipate, dms., c.l., works. lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Phthalate, dms., c.l., frt. alld. lb. .41½ - .44¼
l.c.l., frt. alld. lb. .42½ - .45¼
tanks, frt. alld. lb. .40 - .42½
Diopside, 16 mesh, bgs., works. ton. 17.00 - —
325 mesh, same basis ton. 20.00 - —
Diorthotolyiguanidin dms., ton lots, dlvd lb. .52 - —
smaller lots, dlvd lb. .53 - —
Dioxan, dms., c.l., frt. alld. lb. .26¼ - —
l.c.l., same basis lb. .26¾ - —
tanks, same basis lb. .24½ - —
Dip oil (see tar acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms., extra, c.l., works gal. .49 - —
l.c.l. gal. .50 - —
l.c.l., whse gal. .68 - —
steam-dist., dms., c.l., works, south gal. .60 - —
l.c.l., works, South gal. .69 - —
dlvd. N. Y. gal. .83 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .91
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l. works lb. .28 - —
l.c.l., works lb. .30 - —
tankcars, works lb. .25 - —
tech., tankcars, works lb. .24 - —
Diphenylguanidin, dms., ton lots. lb. .43 - —
smaller lots lb. .44 - —
Diphenylhydantoin sodium, USP dms. lb. 5.30 - 5.60
Dipropylenegiycol, dms., c.l., frt. alld. lb. .16¾ - .17
l.c.l., same basis lb. .17¾ - .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .19¾ - —
l.c.l., same basis lb. .20¾ - —
tanks, same basis lb. .18¼ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l. works lb. .95 - —
Divi-divi 45% tannin bgs., bls., c.l., U. S. ports, ex dock ton. 120.00 - —
Divinylbenzene, 20-25% dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, on 100% basis, dms., c.l., works lb. 1.25 - —
l.c.l., works lb. 1.35 - —
tanks, works lb. 1.20 - —
Dodecylbenzene, dms., c.l., works. lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .14¼ - —
Doggrass root, dom., cut bls. lb. .26 - .28
imp., NF, cut, bls lb. .28 - .35
Dogwood bark, Jamaica bls. lb. .11 - .13
Dragon's blood, drops, cs lb. 45 - 47
mass, cs lb. 90 - 1.00
reeds, cs lb. 1.60 - 1.65

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Blue, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 17.00 - 17.60
Green, FD&C, No. 1, cns. lb. 17.00 - 17.60
No. 2, cns. lb. 22.20 - 22.85
No. 3, cns lb. 35.25 - 35.90
Orange, FD&C, No. 1, cns. lb 3.65 - 3.75
No. 2, cns lb 4.65 - 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb 4.00 - 4.10
No. 3, cns. lb. 22.20 - 22.85
No. 4, cns. lb 7.20 - 7.50
No. 32, cns lb 5.30 - 5.40
Violet, FD&C, No. 1, cns. lb. 17.00 - 17.60
Yellow, FD&C, No. 1, cns. lb. 10.50 - 11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb 3.30 - 3.40
No. 5, cns. lb 4.00 - 4.10
No. 6, cns. lb 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.55 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb 16.10 - —
No. 7 cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb 5.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 19, cns. lb. 20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns. lb. 14.10 - —
Yellow, D&C, No. 7, cns. lb 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots works 25-50 lb. lots, dlvd:—

Blue, Ext. D&C, No. 1, cns. lb. 16.10 - —
Green, Ext. D&C, No. 1 cns. lb. 16.10 - —
Red, Ext. D&C, No. 1, cns. lb. 13.50 - —
Yellow, Ext. D&C, No. 1 cns. lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

26 Orange AD lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange R extra, conc. lb. 1.06 - —
57 Fuchsine 6B lb. .57 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .47 - —
161 Orange RR lb. .53 - —
176 Fast red A conc. lb. .90 - —
179 Azo rubine XX, conc. lb. 1.04 - —
180 Blue F4B lb. .93 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc. lb. .66 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

234 Resorcin brown lb. .89 - —
246 Blue black, extra, conc. lb. .86 - —
275 Milling red 3R, conc. lb. 2.03 - —
289 Navy blue 3R, conc., 125% lb. 1.09 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc, 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .86 - —
365 Brilliant yellow, conc. lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue, 2B, extra conc. lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B conc. lb. 1.18 - —
518 Diamine sky blue FF extra conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Diamine green SXN conc, 150% lb. .97 - —
150% lb. 1.46 - —
598 Congo brown GG, conc.
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine conc lb. 1.46 - —
655 Auramine conc lb. 1.85 - —
657 Victoria green sml. cryst lb. 2.10 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B conc lb. 3.68 - —
671 Brilliant blue E lb. 1.73 - —
680 Methyl violet S, conc lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.58 - —

Dimethylamine—Dyes, Coaltar, for Stains, Spirit-Soluble

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

720 Chrome azure blue BR conc. 200% lb. 3.75 - —
729 Victoria blue B conc lb. 2.79 - —
739 Green SN extra lb. 2.41 - —
749 Rhodamine B extra lb. 4.35 - —
814 Fast yellow NNL conc, 175% lb. 3.11 - —
841 Safranine T extra, conc., 125% lb. 2.90 - —
865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste, lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S conc lb 2.59 - —
1054 Anthraquinone blue B lb 2.91 - —
1078 Anthraquinone green G lb 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

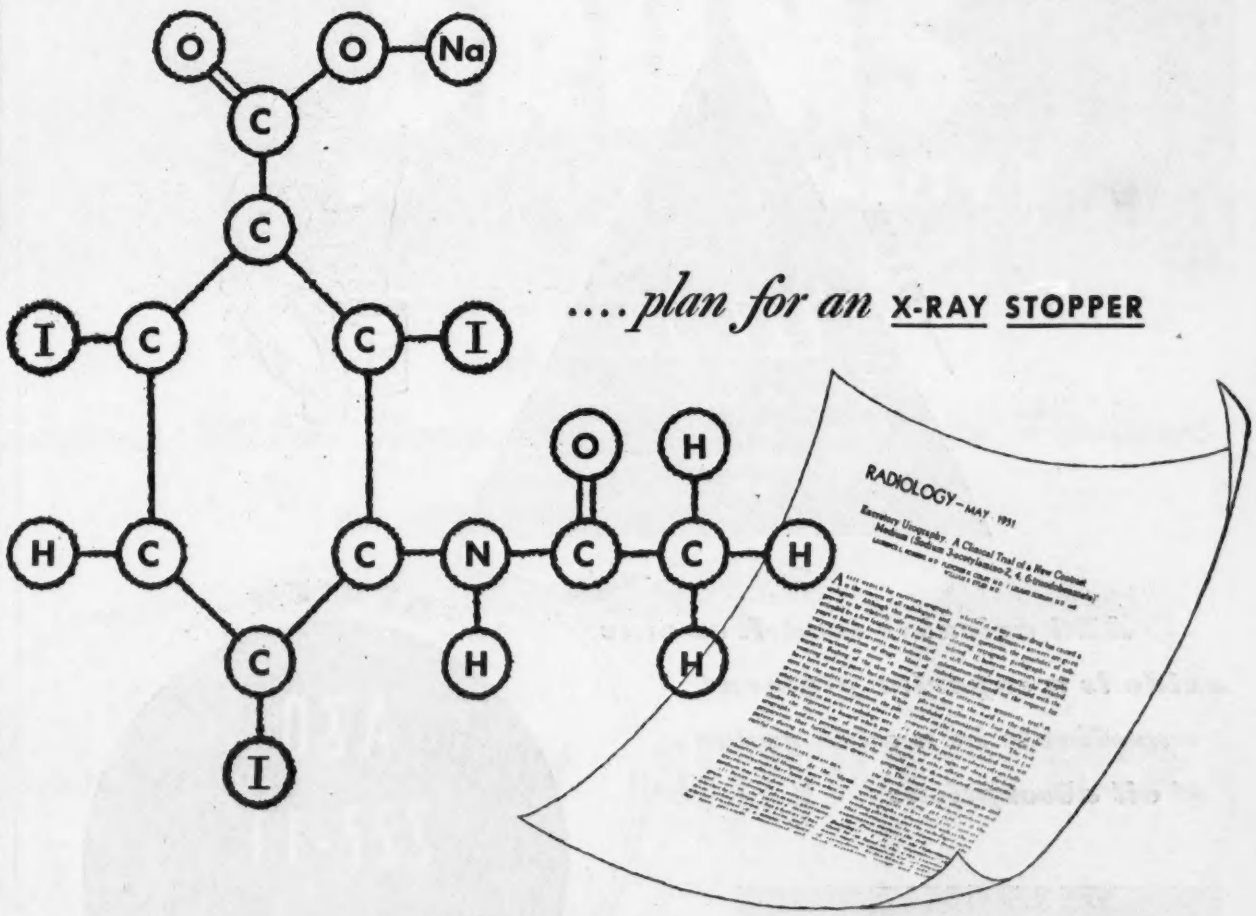
1217 Sulphanthrene orange R, single paste lb. 1.63 - —
p-4 Acid anthracine brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L conc., 150% lb 2.18 - —
p-80 Diazo brilliant scarlet ROA. lb 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-313 Naphthol AS-SW lb. 2.42 - —
p-244 Celliton scarlet B lb. 1.31 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue No 450 lb 81 - —
Jet, No 551 lb .89 - —
Brown, R, conc lb 1.72 - —
Orange R, brilliant lb .90 - —
Red 4 B, conc lb 1.37 - —
Yellow G lb 1.18 - —
FN, conc. lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.

Auramine O lb 1.85 - —
Black, basic blue lb 1.21 - —
Jet lb 1.21 - —
Blue, methylene, 2 B conc lb 1.55 - —
Brown, Bismarck, R, conc lb .86 - —
Chrysodine R extra lb .60 - —
Y, extra lb .64 - —
Fuchsine conc lb 3.08 - —
Green, malachite, conc lb 2.10 - —
Rhodamine B lb 4.33 - —
Safranine, Y conc lb 2.90 - —
Violet, methyl B lb 1.10 - —



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In the Mallinckrodt laboratories, skilled teams engage in continuous research to create specific new compounds—compounds to do everyday jobs *better* or to satisfy long-felt needs for the solution of *difficult* problems. An example is Urokon Sodium, which is opaque to x-rays. Injected intravenously, it is excreted by the kidneys, giving the diagnostician a clear picture of the urinary system on an x-ray film. The high opacity, low toxicity and great solubility of Urokon® Sodium were combined in one product after years of experimenting with various molecular arrangements of iodine in combination with other elements.

A deep respect for creative chemistry is shared by everyone in the Mallinckrodt organization. It is reflected in finer manufacturing processes and careful workmanship in the manufacture and development of fine chemicals not only to meet the precision standards of the medical profession but in the development of intermediates for industry as well.

MALLINCKRODT CHEMICAL WORKS • St. Louis • New York • Montreal

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ORGANIC INTERMEDIATES • INORGANIC CHEMICALS • CHEMICALS FOR ELECTRONIC USES • METALLIC SOAPS • ANALYTICAL REAGENTS • PHOTOGRAPHIC CHEMICALS

• MANUFACTURERS OF FINE CHEMICALS FOR INDUSTRY • SINCE 1867 •

Dyes, Coaltar, for Stains, Water-Soluble—Fusel Oil

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
- Azo rubine R, extra, conc lb. 1.04 - —
- Black, acid blue, B, extra lb. .86 - —
- Orange, Acid, Y, conc lb. .47 - —
- Scarlet, croceine, MOO lb. 1.45 - —
- Yellow, azo-, conc lb. .90 - —
- Fast light, 3 G, extra lb. 2.04 - —
- Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

- Echinacea root, bls lb. .65 - .70
- Egg albumen (see Albumen).
- Yolk, dried, dom., bbls lb. 1.33 - 1.35
- Chinese, spot, bbls., duty paid lb. No stocks.
- tanners, bbls lb. .06 - .06½
- Elder flowers, bright, bls lb. .28 - .40
- Elecampane root, bls lb. .21 - .25
- Elm bark grinding, bls lb. .30 - .35
- powd., bbls. bxs lb. .40 - .45
- select, bundles lb. .50 - .55
- Emetine hydrochloride, USP, bots. oz. 38.75 - —
- Ephedrine synthetic, USP anhydrous, bots., 100 ozs oz. .98 - 1.00
- hydrous, bots., 100 ozs oz. .92 - —
- Hydrochloride, tin, 100 ozs oz. .75 - —
- Sulphate, cryst., tins, 100 ozs. oz. .72 - —
- powd. tins 100 ozs oz. .73 - —
- Epichlorohydrin, dms., c.l., works lb. .38¾ - —
- l.c.l., works lb. .39½ - —
- tanks, works lb. .37 - —
- Epinephrine, synth., USP, bots., 100 grams gram .50 - .60
- Epsom salt, tech. bgs., c.l., works, 100 lbs. 2.15 - —
- l.c.l., works, 100 lbs. 2.90 - 3.15
- USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
- smaller lots 100 lbs. 3.35 - —
- Ergosterol, unirradiated, cryst kilo. 150.00 - —
- Ergot, NF, dms., tin-lined lb. 7.50 - 8.00
- Eserine, bots. oz. 45.00 - 50.00
- Salicylate, USP, bots oz. 32.50 - 34.00
- Sulphate, bots oz. 34.50 - 35.50
- Ether acetate (see Ethyl acetate).
- Butyl, dms., c.l., works lb. .34 - —
- l.c.l., works lb. .34½ - —
- tanks, works lb. .32½ - —
- Butyric (see Ethyl butyrate).
- Dichloroethyl, purif., dms., frt. equald. lb. .17½ - —
- l.c.l., same basis lb. .18 - —
- tanks, same basis lb. .16 - —
- technical, dms., c.l., works lb. .16½ - —
- l.c.l., works lb. .17 - —
- tanks, works lb. .15 - —
- Ethyl, absolute, ACS, dms lb. .37 - —
- anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
- ½-lb. cns lb. .97 - —
- ¼-lb. cns lb. 1.05 - —
- solvent, USP, dms., c.l., dlvd. lb. .21 - —
- l.c.l., same basis lb. .23 - —
- tanks, same basis lb. .19 - —
- synthetic, dms., c.l., dlvd. E lb. .16 - —
- l.c.l., same basis lb. .18 - —
- tanks, same basis lb. .14 - —
- Isopropyl, dms., c.l., dlvd lb. .06¾ - .09½
- l.c.l., dlvd lb. .07½ - .10
- tanks, dlvd lb. .05 - .07½
- Ether, nitrous, conc., bots., 100-lb. lots lb. 1.03 - 1.10
- Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 - —
- 75 cc. hospitals bot. 1.56 - —
- Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .19¾ - .21¾
- l.c.l., frt. alld lb. .20¾ - .22½
- tanks, frt. alld lb. .18 - .20
- 95-98%, dms., c.l., frt. alld. lb. .20¼ - .22
- l.c.l., frt. alld lb. .21¼ - .23
- tanks, frt. alld lb. .18½ - .20¼
- 99%, dms., c.l., frt. alld lb. .20¼ - .22½
- l.c.l., frt. alld lb. .21¼ - .22¼
- tanks, frt. alld lb. .18½ - .20½
- NF dms. frt. alld lb. .24 - .25
- synthetic, 85-90%, dms., c.l., frt. alld. lb. .14¾ - —
- l.c.l., frt. alld lb. .15½ - .15¾
- tanks, frt. alld lb. .13 - —
- 95-98%, c.l., frt. alld lb. .15 - —
- l.c.l., frt. alld lb. .15¾ - .16
- tanks, frt. alld lb. .13¼ - —
- 99%, dms., c.l., frt. alld lb. .15¼ - —
- l.c.l., frt. alld lb. .16¼ - —
- tanks, frt. alld lb. .13½ - —
- Acetoacetate, dms., c.l., dlvd lb. .55 - —
- l.c.l., dlvd lb. .56½ - —
- Acrylate, dms., c.l., and truckload, works lb. .49¾ - —
- less than truckload, dlvd lb. .58¾ - —
- tanks, works lb. .48¾ - —
- Aminobenzoate, USP (see Benzocaine).
- Benzoate, cns., dms lb. .68 - .73
- Bromide, tech., 98% dms lb. .43 - .47
- Butyrate, bots. gal. 6.10 - 6.60
- cns., dms., works lb. .80 - 1.02
- Carbamate (see Urethane).
- Chloride, tech., dms., c.l., works, lb. .18 - .20
- cyls., c.l., same basis lb. .20 - .22
- tanks, same basis lb. .10 - —
- USP, bbls., cyls lb. .22 - .24
- Ethyl cinnamate, cns lb. 2.25 - 2.50
- Formate, dms lb. .64 - .73
- Gallate, dms., 100 lb. to 2,000 lb. lots, works lb. 3.90 - 4.40
- Iodide, bots., works lb. 3.80 - 4.13
- cbys., works lb. 3.00 - —
- Lactate, dms., works lb. .44¼ - —
- Methacrylate, dms., c.l., and truckload, works lb. .50 - —
- less than truckload, works lb. .50½ - .60
- Nitrite (see Ether, nitrous).
- Oenanthate, dms lb. 1.00 - 1.50
- Oleate, dms., l.c.l., works lb. No prices.
- Oxalate (see Diethyl oxalate).
- Silicate, dist (see Tetraethyl-orthosilicate).
- 40% available SiO_2, dms. works lb. .55 - —
- Ethylalphanaphthylamine (see Monoethylalphanaphthylamine)
- Ethylanilin dms. frt alld lb. .50 - —
- Ethylbenzene, dms., c.l. lb. .14 - —
- l.c.l. lb. .15 - —
- tanks lb. .13 - —
- Ethylbutyl ketone dms., c.l., works, lb. .33½ - —
- l.c.l., works lb. .34 - —
- tanks lb. .32 - —
- Ethylcellulose, fib. dms, 5,000-lb. lots, work lb. .73 - —
- smaller lots, works lb. .75 - .83
- Ethylene dichloride, dms. c.l., works, frt. alld., E. of Rockies lb. .11¾ - —
- l.c.l., works, frt. alld E. of Rockies lb. .12¾ - —
- tanks, frt. alld., E. of Rockies, lb. .10 - —

Prices west of Rockies 1c. per lb. higher.
- Oxide, cyls., c.l., frt. equald lb. .26¼ - —
- l.c.l., frt. equald lb. .27¼ - —
- tanks, frt. dlvd lb. .19¼ - —
- Trichloride (see Trichloroethane)
- Ethylenediamine, dms., c.l., works, lb. .43 - —
- l.c.l., works lb. .48½ - —
- tanks, works lb. .46 - —
- Ethyleneglycol dms., c.l., frt alld, E lb. .18¾ - —
- l.c.l., same basis lb. .19¾ - —
- tanks, same basis lb. .17 - —
- Diethylether, dms., l.c.l., works, lb. .55 - —
- Monobutylether dms., c.l., works, lb. .22¾ - —
- l.c.l., works lb. .24¼ - —
- tanks, works lb. .22 - —
- Monoethylether dms., c.l., works, lb. .20¼ - —
- l.c.l., works lb. .20¾ - —
- tanks, works lb. .19 - —
- Monoethylether acetate, dms., c.l., works, lb. .19¾ - —
- l.c.l., works lb. .20¼ - —
- tanks, works lb. .18 - —
- Monomethylether dms., c.l., works, lb. .22 - —
- l.c.l., works lb. .22½ - —
- tanks, works lb. .21 - —
- Monomethylether acetate, dms., c.l., works lb. .28¾ - —
- l.c.l., works lb. .29¼ - —
- tanks, works lb. .27 - —
- Monostearate, dms lb. .41 - —
- Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss lb. .42 - —
- l.c.l., same basis lb. .43 - —
- tanks, same basis lb. .40 - —
- Ethylmorphine hydrochloride USP bots oz. 11.85 - —
- Ethylorthotoluidine (see Monoethyl-orthotoluidin.)
- Ethylvanillin, cns., 25 lbs lb. 7.30 - —
- smaller lots lb. 7.35 - 7.40
- Eucalyptol, USP, cns., dms lb. 2.60 - 3.25
- Eucalyptus leaves, bls lb. .10 - .11
- Eugenol, pure, USP, cns lb. 3.45 - 4.15
- Euphorbia, herb, bls lb. .12 - .14

F

- Feldspar enamel, 100 mesh, bgs., works ton. 20.00 - 22.00
- Glass, 20 mesh, bulk, tons, works ton. 11.75 - 12.50
- Pottery, bgs., ton lots, works ton. 20.00 - 22.00
- bulk, c.l., works ton. 18.00 - 20.00
- Fennel seed, Czech, dark, bgs. lb. .18 - .18½
- light, bgs. lb. .12½ - .13
- French, bgs lb. .14½ Nom.
- Indian, bgs lb. .22 Nom.
- Syrian, bgs lb. .20 - .21
- Fenugreek seed, Indian, bgs lb. .11 - .11¼
- Moroccan, bgs lb. .07 - .07½
- Tunisian, bgs lb. .06½ - .07
- Ferric-ammonium citrate (see Iron ammonium citrate)
- Ferric cacodylate (see Iron cacodylate)
- Ferric glycerophosphate (see Iron-glycerophosphate)
- Ferric hypophosphite (see Iron hypophosphite)
- Ferric sulphate (see Iron sulphate-ferric)
- Ferrous gluconate, NF, dms lb. .83 - .95
- Film scrap, colored, cs., works lb. .15 - —
- water-white, cs., works lb. .20 - —
- Fir balsam, Canada, cns gal. 33.50 - —
- Oregon, bbls. gal. 2.25 - —
- Fishberries, bgs lb. .17 - .21
- Fishliver oil (see Oil, fishliver).
- Fishmeal, ground, 60% protein, bgs., Balto area ton. 135.00 - —
- Fishscrap, dried 60% protein, bulk, Balto area ton. 130.00 - —
- Fluorspar, acid grade, bulk, c.l., mine ton. 48.50 - 50.00
- ceramic grade, 95-98% CaF_2, grd., bulk, mine, c.l. ton. 47.00 - 48.00
- 85% CaF_2, grd., bulk, mine ton. 41.50 - —
- metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton. 38.00 - —
- washed gravel, 55-60% effective CaF_2, bulk, mine, c.l. ton. 38.00 - 40.00
- 60-65% effective CaF_2, bulk, mine ton. 39.00 - —
- 65-70% effective CaF_2, bulk, mine, c.l ton. 40.00 - —
- 70% or better effective CaF_2, bulk, mine, c.l ton. 41.00 - 43.00
- imported, bulk, ex dock, New York ton. 37.00 - —
- Formaldehyde, USP (uninhibited), dms, c.l., E. works lb. .0625 - .0675
- l.c.l., E. works lb. .0675 - .0725
- tanks, E. works lb. .0420 - .045
- methanol-free (uninhibited), tanks, works lb. .0395 - .0425

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna. and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

- Fleaseed (see Psyllium seed)
- Fringetree bark, bls lb. .55 - .62
- Fuller's earth, dom., powd., bgs, c.l., Fla., Ga., mines ton. 38.50 - —
- Illinois mines ton. 37.20 - —
- spent, bulk, Bayonne ton 2.00 - 4.00
- imported, bgs, c.l ton. 30.00 - 40.00
- Furfural, tech., dms., c.l., works lb. .13 - —
- l.c.l., works lb. .15 - —
- tanks, works lb. .10½ - —
- Fusel oil, refined, dms., c.l., dlvd lb. .28¾ - .29¾
- l.c.l. dlvd. lb. .29¾ - .30¾
- tanks, dlvd. lb. .27 - .28

HIGH

AZO ZZZ-22

A high oil absorption Zinc Oxide having large Acicular Particles which gives heavy body

AZO acicular lead-free zinc oxide is a superior pigment available in a wide range of oil absorptions

MEDIUM

AZO ZZZ-11

A medium oil absorption Acicular Zinc Oxide imparting exceptional weathering qualities to exterior paints

AZO ZZZ-33

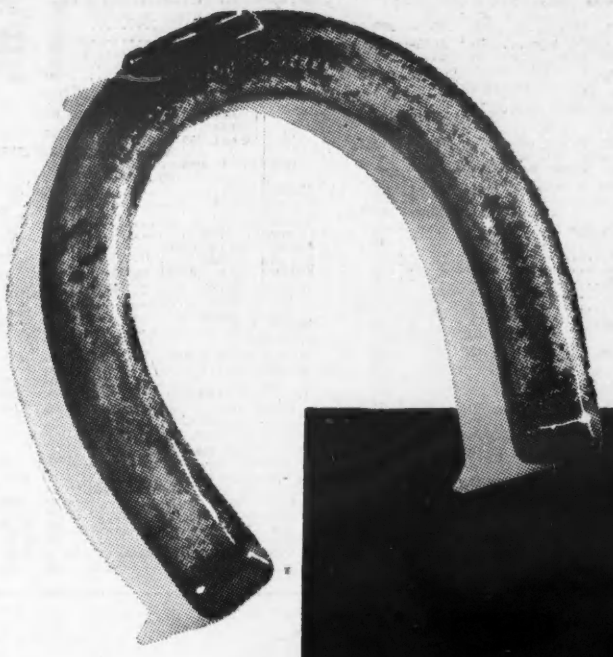
A definitely Acicular type with a lower oil absorption, but chemically identical with AZO ZZZ-11 and AZO ZZZ-22

LOW

The extra durability, the finer weathering qualities that Acicular Zinc Oxide gives to paint can be obtained with AZO Acicular Zinc Oxides available in a wide range of oil absorptions to meet your requirements.

AMERICAN ZINC SALES COMPANY
distributors for
AMERICAN ZINC, LEAD & SMELTING COMPANY
COLUMBUS, OHIO • CHICAGO • ST. LOUIS • NEW YORK

AZO



IT TAKES *more* THAN LUCK

to produce Reconditioned

STEEL DRUMS

OF *top* QUALITY !

IT TAKES

Experience, Modern Processing Facilities, Trained Personnel

TO GIVE YOU THE **BEST**

We have what it takes
Our organization is at your service.....

"World's Largest Reconditioners of Steel Drums"

NEWARK STEEL DRUM COMPANY
Linden, N. J. Phone Linden 2-4466

ACME STEEL DRUM COMPANY
Newark, N. J. Phone Market 3-0900

Fustic Extract—Gum, Yacca

Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
liquid No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls., l.c.l. lb. .21½- —
No. 3, bbls., l.c.l. lb. .19 - —
solid No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, bbls. frt alld lb. 73 - —
Galangal root, bls lb. .18 - .25
Gammapicoline 95% dms., c.i., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks, gal. .1285- .136
Group 3, 82 octane tanks gal. .10375- .107
Gulf coast, 82 octane tanks gal. .105 - .11
Pennsylvania, western U. S. motor 86 octane tanks, gal. .1275- .13
natural 26-70 octane group 3, tanks gal. .06875- —
Gelatin, silver label, imported, cs lb 1.25 - —
Gelsemium root, bls lb. .24 - .25
Gentian root, bls lb. .18 - .22
grd., bbls., bxs lb. .22 - .26
powd., bbls., bxs lb. .23 - .27
Geraniol, extra, cns., dms lb. 2.70 - 2.75
standards, cns., dms lb. 1.50 - 2.60
Geranyl acetate, cns lb. 2.70 - 2.75
Ginger oleoresin NF from African root, bots lb. 7.75 - 8.50
root, African, bls lb. .33½- .34
Cochin, unbleached, bgs. lb. .45 - .46½
Jamaica, No. 1, bgs lb. No prices.
No. 2, bgs lb. .62 - .63
No. 3, bgs lb. .61 - .62
Rhattoon, bgs lb. .59 - .60
Nigerian, split, bgs lb. .32 - .33
Ginseng root cs lb. 15.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate)
cryst., bgs. c.l. works frt alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .23 - —
65 jellygrams, bgs., c.l., same basis lb. .24 - —
80 jellygrams, bgs., c.l., same basis lb. .26 - —
110 jellygrams, bgs., c.l., same basis lb. .27 - —
130 jellygrams, bgs., c.l. same basis lb. .28 - —
over 150 jellygrams, bgs., c.l., same basis lb. .29 - —
Bone glue, l.c.l. 1c per lb higher than c.l.
ground, 50-55 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .25½- —
l.c.l., dlvd lb. .26½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .26 - .30
122-149, bgs., c.l., dlvd lb. .27 - .32
150-177, bgs., c.l., dlvd lb. .28 - .33
178-206, bgs., c.l., dlvd lb. .29 - .35
207-236, bgs., c.l., dlvd lb. .30 - .36
237-266, bgs., c.l., dlvd lb. .31 - .37
267-296, bgs., c.l., dlvd lb. .32 - .38
299-330 bgs., c.l., dlvd lb. .33 - .39
331-362 bgs., c.l., dlvd lb. .34 - .39
363-394, bgs., c.l., dlvd lb. .35 - .40
395-427, bgs., c.l., dlvd lb. .36 - .41
428-460, bgs., c.l., dlvd lb. .37 - .42½
461-494, bgs., c.l., dlvd lb. .38 - .44
495-529 bgs., c.l., dlvd lb. .39 - .45
Hide glue c.l. prices 1c higher than c.l. bbls ½c more than bgs
Glycerin crude, saponification 88%, to refiners, tanks, dlvd lb. .41½- —
soaplye, 80%, tanks, dlvd lb. .38 - .38½
dynamite, dms., c.l., dlvd lb. .54 - .54¼
l.c.l., dlvd lb. .54½- .54¾
tanks, dlvd lb. .53½- .53¾
high gravity, dms., c.l., dlvd lb. .54¼- —
l.c.l., dlvd lb. .54¾- —
tanks, dlvd lb. .53¾- —
refined, BP, 98%, dms., c.l., dlvd lb. .55½- —
l.c.l., dlvd lb. .56 - —
tanks, dlvd lb. .55 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .54¾- —
l.c.l., dlvd lb. .55¼- —
tanks, dlvd lb. .54¼- —
yellow, distilled, dms., c.l., dlvd. lb. .54½- —
l.c.l., dlvd lb. .54⅞- —
tanks, dlvd lb. .53⅞- —
Glycine, USP, (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb 18 - —
Gold chloride, acid brown bots oz. 23.50 -24.00
acid-yellow, bots oz. 21.00 -21.50
Gold of pleasure seed bgs, futures lb 13 13½
Goldenseal root, bls lb 3.75 4.25
powd. bxs lb 4.25 4.75
Gold-sodium chloride photo bots oz 13.00 -14.00
USP IX bots oz 14.50 -15.50
Grains of paradise, bgs lb. .33 - .34
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .05 - .09
crystalline, 88-90% powd., bgs., fib. dms., ex whse lb. .17 - .17½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - —
95-97%, powd., bgs., fib. dms., ex whse. lb. .25 - .27
flake, No. 1, 90-95%, bgs., fib., dms., ex whse lb. .25 - —
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .25 - —
Grease, brown, loose, f.o.b. works, lb. .05⅝- —
house lb. .06⅜- —
white, choice lb. .09½- —
yellow lb. .07½- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb 4.50 - —
tungstated, PTMA, kgs., works lb. 5.75 - —
Chrome, CP, dark, light medium, blue content up to 5% bbls., dlvd, N. of Tenn. and N. C. E. of Miss. including St. Paul Minneapolis, Davenport, Rock Island, St. Louis lb. .38 - —
6-10%, bbls., same basis lb. .39 - —
11-15%, bbls., same basis lb. .40 - —
16-20%, bbls. same basis lb 40½- —
21-25%, bbls. same basis lb. .41¼- —
26-30%, bbls. same basis lb. .41¾- —
31-35%, bbls. same basis lb. .42¾- —
36-40%, bbls., same basis lb. .44½- —
41-45%, bbls., same basis lb. .46 - —

Green, chrome, CP, dark, light, medium, color content 46-50%, bbls., same basis, lb. .47¾- —
50% and over, bbls., same basis lb. .48¾- —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

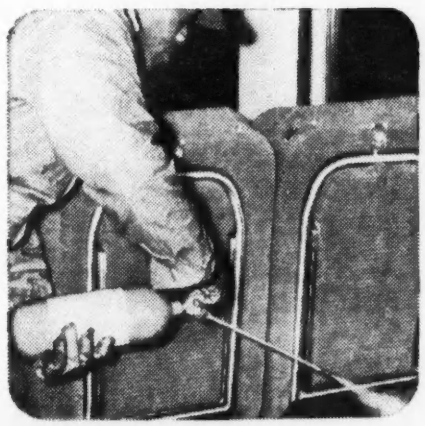
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La (Shreveport, 1½c.), Miss., N. C. S. C., Tenn. Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines Kansas City, Lincoln, Omaha St. Joseph; 1c. higher dlvd Pac. coast; for Denver Pueblo Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld lb. .95 - 1.20
pure, c.l., bgs. frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar)
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Marine toner, thioflavin malachite, molybdated, PMA, bbls., works lb. 4.25 - —
tungstated, PTMA kgs lb. 5.00 - —
Paris (see P).
Phthalocyanin toner, bbls, works lb 4.40 - —
resinated lb 4.00 - —
water dispersable lb 1.71 - —
Pigment B, kegs lb 1.35 - —
Grindelia robusta herb, bls lb. .23 - .25
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lb. .49 - .51
Guaiacol, cryst. tins lb 1.90 —
Liquid, NF bots, cbys lb 2.15 2.20
Guaiacol carbonate, dms lb 3.15 - 3.20
Guarana, powd. cs lb 1.50 1.75

Gum accroides (see Gum yacca)
Aloe (see A).
Ammoniac tears, cs lb. .35 - .45
Arabic, amber, sorts, bgs lb. .16½- .17
powdered, USP, bbls lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .40 - .45
Camphor (see C).
Cellulose, bgs 23,000 lbs. or more, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - —
Copal, Congo, No. 1, bgs lb. .25 - .27
No. 2, bgs lb. .20 - .22
No. 3, bgs lb. .17½- .19½
Manila, loba B, bgs lb. No prices.
C, bgs lb. .32 - .33
CBB, bgs lb. .27 - .28
CNE, bgs. lb. No prices.
DBB, bgs lb. .27 - .28
DK, bgs lb. .22 - .24
dust, bgs. lb. .12½- .13½
soft, MA, bgs lb. .25 - .26
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .27 - .28
nubs, bgs lb. .32 - .33
seeds, bgs lb. .20 - .21
sorts, bgs lb. .24 - .25
Pontianak, chips, bgs lb. .26 - .27
nubs, bgs lb. .40 - .41
Dammar, Batavia, A/E, bgs lb. .23 - .25
dust, bgs. lb. .08 - .10
E, bgs. lb. .14 - .15
East India, bales, bold, bgs lb. .13½- .14½
nubs and chips, bgs lb. .08 - .10
black, bold, bgs lb. .13½- .14½
unscraped, bgs lb. .11 - .12
nubs and chips, bgs lb. .10 - .11
pale, chips, bgs lb. .14 - .16
nubs, bgs lb. .23 - .26

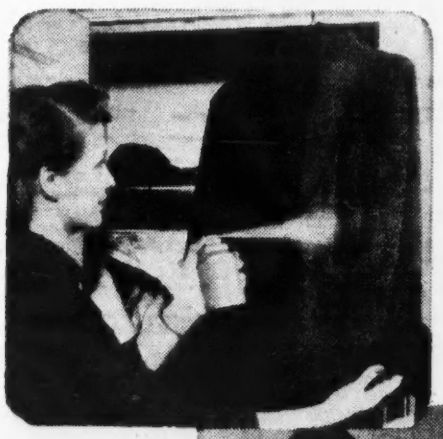
Gum, dammar, Singapore, No. 1, bgs. lb. .34 - .36
No. 2, bgs lb. .23 - .25
No. 3, bgs lb. .09½- .11
dust, bgs lb. .09½- .11
seeds, bgs lb. .12½- .13½
Elemi, cns lb. .24 - .26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17½- —
wood-rosin type, dms. c.l., dlvd., Ill., Ind., etc lb. .17½- —
Euphorbium, cs lb. .20 - .25
Galbanum, cs lb. .75 - .80
Gamboge, pipe, cs lb. .70 - 1.00
powd., bbls lb. .90 - 1.15
Ghatti, No 2, bgs lb. .35 - .37
No 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls lb. .55 - .56
No. 2, bbls lb. .48 - .49
No. 3, bbls lb. .44 - .45
Kauri, bgs lb. .31½- .32¾
Kino, cs lb. 1.15 - 2.40
Locust bean, powd., bgs lb. .32 - .39
Mastic, cs lb. 1.55 - 2.10
Myrrh, cs lb. .30 - .35
Olibanum, siftings, cs lb. .16 - .18
tears, cs lb. .20 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. No stocks.
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb 10 11
Tragacanth, No. 1, cs lb. 3.80 - 4.10
No. 2, cs lb 3.50 - 4.00
No. 3, cs lb. 2.75 - 3.50
powdered, USP, bbls lb. 1.25 - 1.35
Yacca, bgs lb. .06 - —

Why AEROSOLS ar

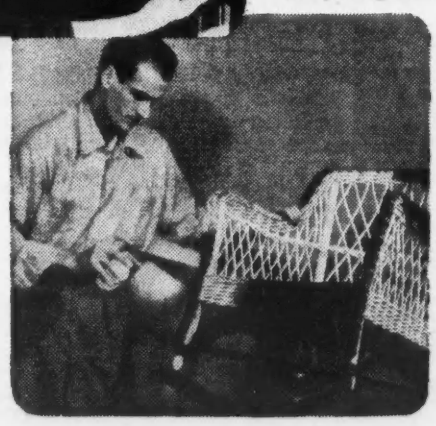


Insecticide aerosols have many commercial and industrial uses, too.

Insecticide aerosols give most effective killing



Mothproofing aerosols are easy to use; gaining popularity.



Aerosol paint dispensers simplify tough and tiring jobs.

They're new . . . the modern way of dispensing many kinds of ucts. They eliminate fuss and muss . . . do a better job, quicker. product now brushed, squeezed or sprayed on can probably be aged in an aerosol container for more effective use.

They're easy to use . . . just as easy as pushing a button. Ae are convenient and handy, too. Note the pictures left and right. simplicity of using aerosol insecticides . . . mothproofers . . . de izers . . . paints . . . waxes . . . suntan lotions and even shave cr

They're effective . . . because aerosols can quickly dispens product in the right place for best results. They're economical be a little does a lot . . . another forceful selling point. For exa household deodorant aerosols in only three or four seconds will pletely clear the air in a room of average size!

They're growing in number constantly . . . from only a few ticides shortly after War II to hundreds of ae packed products of many types. Manufac were quick to recognize the sales possibilit this new package.

They have sales appeal . . . rapidly increasi use of aerosols everywhere. An annual survey by Du Pont for the past four years proves th clusively. For example: a representative gr housewives asked which method they prefer dispensing room deodorants voted 3 to 1 for a over any other way.

They're excellent profit-builders . . . they're fast-moving items. Dealers ever quickly welcomed aerosols, recognizing th way of dispensing various products as far s to old methods. Indeed . . . aerosol produ

Gypsum, anhydrous filler, paper bgs., c.l., medicine Lodge, Kan. ton 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore frt. equald. ton 18.30 - —
Harlem river, N. Y., frt. equald. ton 17.30 - —
Medicine Lodge, Kan., frt. equald. ton 16.00 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald. ton 8.00 - —
Blue Rapids, Kans., frt. equald ton 8.00 - —
Fort Dodge, Iowa, frt. equald, ton 8.00 - —
Gypsum, Ohio, frt. equald, ton 8.00 - —
Grand Rapids, Mich., frt. equald ton 8.00 - —
New Brighton, N. Y., frt, equald ton 8.00 - —
Plasterco, Ga., frt. equald, ton 8.00 - —
Roton, Texas, frt. equald, ton 8.00 - —
Southard, Okla., frt. equald, ton 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton 14.40 - —
Harlem River, N. Y. ton 14.40 - —
English, paper bgs., ex dock, ton 48.00 - —
ex warehouse ton 53.00 - 56.00
small quantities lb .04 - —

H

Hawthorn berries, bgs lb .30 - .32
Heliotropine, cryst., cns lb 3.40 - 3.63
Helonias root, bis lb 1.75 - 1.80
Hellebore root, dom., green, bls. lb .65 - .75
imp., black, whole bls lb .25 - .30
ground, bxs lb .30 - .35
powder bxs lb .32 - .37
white, whole, bls lb .25 - .30
powder bxs lb .35 - .45
Hematine, extract, cryst., No. 1, bbls., l.c.l lb .47 - —
No. 2, bbls. l.c.l lb .43 - —
No. 3, bbls. l.c.l lb .41 - —
No. 4, bbls. l.c.l lb .39 - —
No. 5, bbls. l.c.l lb .37 - —
paste No. 1 bbls. l.c.l lb .20½ - —
Henbane leaves, bls lb .28 - .35
Henna leaves, bls lb .23 - .25
powd., bbls. bgs lb .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal .18 - —
group 3, tanks gal .1375 - .1403
Hesperidine methylchalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l. Perth Amboy or N.Y.C. lb .24 - —
l.c.l., same basis lb .26 - —
bbls., c.l., same basis lb .24½ - —
l.c.l., same basis lb .26½ - —
USP dms. 500 lbs or more, same basis lb .40½ - —
smaller lots, same basis lb .41½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal .13 - —
Group 3, tanks gal .145 - .148
Hexanol, normal, dms., c.l., works lb .32½ - —
l.c.l., works lb .33 - —
tanks, works lb .31 - —
Hexyl cinnamic aldehyde, dms lb 2.25 - —
Salicylate, dms lb 1.73 - —
Hexyleneglycol, dms., c.l., dlvd lb .15¾ - —
l.c.l., dlvd. lb .16½ - —
tanks, dlvd. lb .14 - —
Hexylmethacrylate, normal, dms., less than truckload works lb 71 - —
Hexylresorcinol, USP, dms. 50 lbs. up, frt alld lb 17.00 - —
works lb 16.00 - 17.00
smaller lots, frt. alld lb 18.00 - —
works lb 18.00 - 20.00
Histamine diphosphate, USP, bots., kilo 450.00 - —
Histidine hydrochloride-laevo, NF, fib. dms., 50 kilo. lots, works kilo 100.00 - 120.00
1-5 kilos, works kilo 110.00 - 130.00
Homatropine hydrobromide, USP, bots oz 13.75 - 13.85
Hydrochloride, bots oz 20.00 - 22.00
Methylbromide, USP, bots oz 13.00 - 16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton 7.25 - —
Hops, NF, bls lb .30 - .35
Horehound herb bls lb 15 - 18
Hydrangea root bls lb 22 - 25
Hydrastine, bots oz 31.00 - 32.50
Hydrochloride, NF bots oz 29.50 - 36.00
Sulphate, bots oz 35.00 - 37.00
Hydrastinine 10-grain bots bot 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms. fib cans, works lb 30 - 40
Hydrogen chloride anhyd., 50-lb. cyl., works lb .55 - .60
Peroxide, USP bbls., dlvd lb .03¾ - .05
35%, cbys., same basis lb .23½ - .26½

Hydrogen peroxide, dms., c.l., same basis lb .21½ - —
l.c.l. same basis lb .22 - .26¼
tanks lb .20¾ - —
Hydrogen peroxide prices on W Coast 2c. per lb. higher
Hydroquinone, photographic grade, bbls., dms lb .98 - 1.00
tech., dms., frt, equald lb .76 - .84
Hydroxycitronellal, cns lb 8.10 - 8.40
Hyoscin salts (see Scopolamine).
Hyoscyamine, bots oz 15.75 - 16.00
Hydrobromide, bots oz 16.50 - 18.00
Sulphate, bots oz 13.50 - 15.00
Hypernic extract cryst., No. 2, bbls., l.c.l lb .52 - —
liquid, No. 1, bbls., l.c.l lb .35 - —
No. 2, bbls., l.c.l lb .27 - —
Hyssop herb, bgs lb .35 - .44
Leaves, bgs lb .50 - .58

I

Iceland moss, bgs lb .30 - .35
Ichthammol, NF dms lb 60 - 75
Indian red (see Red Indian).
Indigo, nat. chests lb 3.14 - 4.16
synth., paste, 20%, bbls lb .28 - 28¼
Indol CP bots lb 17.50 - 21.00
Inositol dms. dlvd lb 4.90 - —
tins, dlvd lb 5.00 - —
Insect flowers see Pyrethrum).
Iodine, crude, kgs lb 1.70 - 1.90
resubl USP bots. jars lb 2.55 - 2.78
Iodochlorohydroxyquinolin NF dms lb 6.50 - —
Iodoform, NF dms. kgs lb 4.70 - 4.85
Ionone, alpha, cans lb 8.15 - 11.50
Beta, cans lb 8.60 - 17.50
Methyl, dms., cns lb 7.00 - 10.65
Ipecac root, bgs lb 7.00 - 7.50
powd., bbls., bxs lb 7.25 - 7.75
Irish moss, bleached, prime, bls lb .25 - .30
Iron acetate liquor 26 bbls., c.l., works lb 09 - —
l.c.l., works lb 09¾ - —
solut., USP IX chys lb 16 - —
dms lb 17 - —
Cacodylate, NFA, bots lb 13.50 - 14.50
Chloride (ferric), anhydr., tech., dms c.l. works 100 lbs 6.25 - —
l.c.l., works 100 lbs 7.50 - —
cryst., tech., c.l., bbls., works, 100 lbs. 5.25 - 6.25
l.c.l., bbls. works 100 lbs 5.75 - 8.25
USP, dms., works lb 07½ - 09
solut 42 Be 100% basis tanks works 100 lbs 4.85 - —
Citrate gran dms lb 77 - .80
Gluconate, NF (see Ferrous Gluconate, NF).
Glycerophosphate NF powd lb 4.45 - 4.55
Hypophosphite NF dms lb 2.80 - —
Iodide, bgs lb 3.66 - 3.73
Naphthenate liq 6% Fe dms. frt alld lb 24¼ - —
Oxalate gran dms lb 83 - 85
Phosphate, soluble, NF, gran., pearls, cs lb 64 - 65
Pyrophosphate soluble NF VII, gran pearls dms lb 78 - 91
Reduced, NF, kgs lb .90 - .95
Resinate (4% Fe dms. frt alld lb 26½ - —
Stearate, dms., c.l. lb .41 - —
ton lots lb .42 - —
less ton lots lb .43 - —
Sulphate partially hydrated bgs c.l. works ton 30.00 - —
l.c.l., works ton 31.00 - —
ferrous (tech see Copperas)
USP, cryst., bbls., dms lb 09½ - 10
Iron by hydrogen (see Iron, Reduced)
Iron-ammonium citrate green, NF, gran., dms lb 55 - 58
brown USP gran dms lb 55 - 58
Oxalate dms lb 25[illegible] - 28¼
Iron-potassium, oxalate fine gran. dms lb 30½ - 33¼
Iron-sodium oxalate, fine gran dms lb 25½ - 28¼
Isoborneol, cns lb 1.25 - 1.70
Isobornyl acetate, cns lb 75 - .97
Propionate, dms lb 1.15 - 1.50
Isobutyl acetate, cns lb 75 - .91
Methacrylate dms works lb 60 - —
Isobutyraldehyde dms works lb 50 - 53
Isoeugenol, cns lb 4.50 - 4.75
Isopentane, dms., works lb 43 - 55
Isophorone dms c.l. works lb 24¼ - —
l.c.l. works lb 24¾ - —
tanks, works lb 22½ - —
Isopropanol (see Alcohol, Isopropyl)
Isopropyl acetate dms. c.l. frt alld lb 14¼ - 14¾
l.c.l. same basis lb 15 - 15½
tanks, same basis lb 12½ - 13
Alcohol (see Alcohol, Isopropyl)
Benzene (see Cumene)
Ether (see Ether, Isopropyl)
Isopropylamine (see Monoisopropylamine)
Isoquinoline, dms., works lb .60 - 1.25

J

Jaborandi leaves bls lb 15 - 20
Jalap root NF bls lb 45 - 45
powd bbls bxs lb 50 - 50
Juniper berries, bgs lb .08 - .15
Tar, NF, dms lb 42 - .65

K

Kamala, powd., cns lb .75 - .80
Kaolin (see also Clay, China).
NF, fiber dms lb .08 - .16½
colloidal, fiber dms lb .15 - .15½
Kava kava root bls lb 42 - 50
Kerosene, at refinery Ark. 42-44 specific gravity w w tanks gal 09@75 - —
California, 40-43 s.g., w.w., tanks gal. .126 - .13
Gulf ports 41-43 s.g., w w. tanks gal 09 - 0925
N. Y. Harbor, 44-43 s.g. w.w., tanks gal. 101 - —
Okla Tex 41-43 s.g w w tanks gal 0925 - 09@25
Penn. Western 45 s.g. w w. tanks gal 11 - —
Kola nuts, bgs lb 08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse ton 95 00 - 100 00
calcined grain 10 mesh, whse ton 95 00 - 105 00

L

Lady's slipper root, bls lb 1.40 - 1.50
Lanolin, USP dms., works lb .34 - .38
Anhydrous, cosmetic, dms., works lb. 36 - .40
USP, dms., works lb. 35 - .39
Lard, cash, trcs., Chicago lb .1810 Nom.
Larkspur seed bgs lb 20 - 25
Laurel berries bgs lb 25 - .26
Leaves, Greek, bls lb .10 - .10½
Portuguese, bls., afloat lb .10 - .10½
Turkish, bls., futures lb .12½ - .13

steadily gaining popularity!

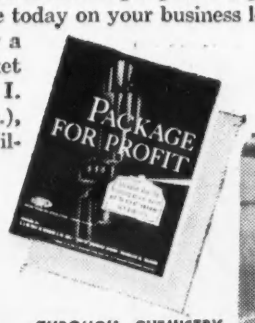
Room deodorant aerosols permit quick deodorizing where and when needed.

Shave cream aerosol dispensers are finding favor with men everywhere.

the kind of merchandise that all sales-minded dealers like to feature.

"Freon" propellents preferred . . . for aerosols of every type. These propellents are nonflammable, nonexplosive, virtually nontoxic, chemically pure and harmless to fabrics, furs and finishes. These qualities and their pressure versatility make them ideal for all aerosols.

"PACKAGE FOR PROFIT" . . . a new 32-page booklet that will answer your questions about aerosol products and the use of "Freon" safe propellents. Explains why most aerosol producers use these propellents exclusively. Contains a wealth of information about the aerosol market and what steps to take if you're thinking of pressure-packaging some of your own products. Write today on your business letterhead for a free copy. And ask, too, for a digest of the latest Du Pont Market Survey on aerosol products. E. I. du Pont de Nemours & Co. (Inc.), "Kinetic" Chemicals Division, Wilmington 98, Delaware.



Suntan lotion aerosol dispenser is popular summertime product.

Car wax aerosol dispensers save plenty of "elbow grease."

DU PONT
REG. U. S. PAT. OFF.

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

KINETIC

"FREON" SAFE PROPELLENTS

"FREON" is Du Pont's registered trade-mark for its fluorinated hydrocarbon propellents.

Lauryl Chloride—Magnesium Hydroxide

Lauryl chloride, dms., works, frt. equald lb. .75 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium bls lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .22 - —
gran, bbls. lb. .23 - —
powd., bbls. lb. .23 - —
NF, cryst., dms lb. .32 - —
gran powd., dms lb. .32 - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld on 96 lbs. or over lb. .28¾- —
l.c.l., frt. alld lb. .29¾- —
1-lb bgs., c.l. lb. .42 - —
l.c.l. lb. .43 - —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .17¾- —
l.c.l., works lb. .18¾- —
Carbonate (see Lead, white).
Chloride, dms. lb .39 - —
Iodide, NF V. jars lb. 3.82 - —
Linoleate, precip., 26.15%, dms lb. .34½- —
Metal, pigs, prime, N.Y. lb. .19 - —
St. Louis lb. .1880- —
Metallic, paste, dms., 20,000-40,000 lbs., works lb. .34½- —
10,000-20,000 lbs., same basis, lb. .35 - —
2,000-10,000 lbs., same basis lb. .35½- —
200 to 2,000 lbs., same basis lb. .36 - —

Prices ex whse., Jersey City, N. J. 4½c. per pound higher.

Lead naphthenate, liquid, 16% Pb, dms., dlvd. lb. .17¾- —
24% Pb, dms., dlvd lb. .24¼- —
37% Pb, dms., dlvd lb. .31¾- —
Nitrate, bbls., c.l. lb. .22 - —
l.c.l. lb. .22¼- —
Oxide, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .31¾- —
60% PbO, dms., works lb. .30¼- —
Peroxide, powd., tech., bbls lb. .41 - .43
Phthalate, dibasic, dms., works, lb. .42½- —
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld. lb. .19¾- .20½
l.c.l., same basis lb. .20¾- .21½
97%, PB_3O_4, bbls., c.l., same basis lb. .20 - .20¾
l.c.l., same basis lb. .21 - .21¾
98% Pb_3O_4, bbls., c.l., same basis lb. .20¼- .21
l.c.l., same basis lb. .21¼- .22
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works lb. .47¾- —
Silicate, bgs., l.c.l. ship't pt., frt. alld lb. .1805- .1875
Stearate, dibasic, dms., c.l. lb. .52 - —
ton lots lb. .55 - —
precip., bbls., c.l. lb. .43 - —
ton lots lb. .44 - —
less ton lots lb. .45 - —
Sulphate, see Lead, blue; Lead, white; basic sulphate)
tribasic, dms., works lb. .27½- —
Tallate, liquid, 16% Pb, dms lb. .15½- —
24% Pb, dms lb. .21 - —

Lead white, basic, carbonate, bgs., c.l., ship't point, frt. alld. lb. .18½- —
l.c.l., same basis lb. .19½- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .16¼- .21¼
l.c.l., same basis lb. .17¼- .22¼
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .17¾- —
l.c.l., same basis lb. .18¾- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works, lb. .20 - —
l.c.l., same basis lb. .21 - —
unbleached, c.l., same basis lb. .19 - —
l.c.l., same basis lb. .20 - —
Lemon peel, bis lb. .20 - .22
Leucine dextro-laevo, dms., works, lb. 12.25 -15.00
Licorice extract, mass, cns lb. .20¾- .27
powd., bbls lb. .31 - .35
Root, bis lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbl lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. 05¼- .06½
Lime, agricultural, bgs., works ton. 14.50 - —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton. 18.00 - —
Annville, Pa ton. 11.50 - —
Bellefonte, Pa ton. 11.50 - —
Buffalo, N. Y ton. 11.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Farnams, Mass. ton. 14.00 - —
Gibsonburg, Ohio ton. 12.50 - —
Hannibal, Mo ton. 12.00 - —
Keystone, Ala. ton. 10.25 - —
Kimballton, Va. ton. 10.25 - —
Knoxville, Tenn. ton. 10.50 - —
Lewisburg, Ohio ton. 10.00 - —
Limedale, Ark. ton. 10.00 - —
Longview, Ark. ton. 10.25 - —
Marble Cliff, Ohio ton. 10.00 - —
Martinsburg, W. Va ton. 11.00 - —

Lime, chemical (quicklime) lump, pebble, bulk, McNeil, Tex. ton. 9.50 - —
Mosher, Mo ton. 10.25 - —
Redick, Florida ton. 13.50 - —
Scioto, Ohio ton. 7.50 - —
Woodville, Ohio ton. 11.50 - —
York, Pa ton. 11.50 - —
Hydrated, paper bags, Adams, Mass. ton. 15.50 - —
Annville, Pa ton. 14.50 - —
Bellefonte, Pa ton. 14.50 - —
Buffalo, N. Y ton. 14.00 - —
Cedar Hollow, Pa ton. 14.50 - —
Chicago, Ill ton. 12.50 - —
Engle, W. Va ton. 14.50 - —
Farnams, Mass ton. 14.00 - —
Gibsonburg, Ohio ton. 14.50 - —
Hannibal, Mo ton. 12.50 - —
Keystone, Ala ton. 13.50 - —
Kimballton, Va ton. 13.50 - —
Knoxville, Tenn ton. 13.00 - —
Lewisburg, Ohio ton. 14.00 - —
Limedale, Ark. ton. 12.00 - —
Longview, Ala ton. 13.50 - —
Marble Cliff, Ohio ton. 13.50 - —
Manistique, Mich ton. 14.50 - —
Marblehead, Ohio ton. 12.00 - —
McNeil, Tex ton. 13.00 - —
Mosher, Mo ton. 12.50 - —
Petoskey, Mich ton. 10.00 - —
Redick, Fla ton. 16.00 - —
Scioto, Ohio ton. 9.00 - —
Springfield, Mo ton. 9.00 - —
Woodville, Ohio ton. 14.50 - —
York, Pa ton. 14.50 - —
Spray, paper bgs., Adams, Mass. ton. 17.00 - —
Annville, Pa ton. 17.50 - —
Bellefonte, Pa ton. 15.50 - —
Carey, Ohio ton. 11.00 - —
Engle, W. Va ton. 14.50 - —
Farnams, Mass ton. 14.00 - —
Gibsonburg, Ohio ton. 16.50 - —
Keystone, Ala ton. 13.50 - —
Kimballton, Va. ton. 13.50 - —
Kingston, Ala. ton. 13.50 - —
Lewisburg, Ohio ton. 16.00 - —
Marble Cliff, Ohio ton. 16.00 - —
Marblehead, Ohio ton. 10.00 - —
McNeil, Tex. ton. 16.00 - —
Mosher, Mo ton. 12.50 - —
Redick, Florida ton. 16.00 - —
Rockland, Me ton. 10.00 - —
Scioto, Ohio ton. 10.00 - —
Woodville, Ohio ton. 16.50 - —
York, Pa. ton. 15.50 - —
Lime salts (see Calcium)
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose, dms. lb. 6.25 - 6.60
ex lignaloe wood, dms lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 50-92%, dms. lb. 6.15 - 6.45
96-98%, dms. lb. 6.60 - 7.35
ex petitgrain, bots lb. 5.00 - 6.50
Lindane, 25% formulation, cns., works lb. 2.70 - —
dms., works lb. 2.60 - —
Linden flowers with leaves, bls. lb. .34 - .38
without leaves, bls lb. .40 - .48
Linseed meal expeller, 34% bulk, Midwest mills ton. 66.00 - —
extracted, 36%, same basis ton. 64.00 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .18¾- .19½
l.c.l., same basis lb. .19¾- .20½
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - 2.35
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb. 10.25 -14.00
Hydroxide monohydrate, dms. lb. .80 - 1.25
Salicylate, dms lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd lb. .08¼- .08¼
titanated (high-strength), bgs., c.l., dlvd lb. .09⅝- —
l.c.l., dlvd. lb. .10⅝- —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .75 - .80
Lobelia herb, bls lb. .45 - .50
Leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz. 34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., l.c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18¼- —
solid, No. 1 lb. .35 - —
Lovage root, imported, bls lb. .60 - .65
Lupulin tins lb 1.95 2.00
Lycopodium, cs lb. 1.40 - 1.50
Lysine hydrochloride, dextro-laevo, bots kilo 145.00 149.00

M

Mace, Amboina, bls lb. No prices.
Banda, No. 1, bls lb 1.85 Nom.
Siauw, No. 1, bls lb. 1.14 - 1.15
West Indian, cs lb. 1.10 - 1.15
broken, cs lb. 1.00 - 1.05
Madder, Dutch, bgs lb. No stocks.
Magnesia, calcined, tech., ctns., works lb. .32 - .34¼
synth. rubber grade, ctns., works lb. .31 - —
USP, light ctns lb. .34 - .36
heavy, bbls lb. .36 - .38
Magnesite, chemical grade, bgs., c.l., works, frt. equald ton. 72.50 - —
dead-burnt, bulk, c.l. standard grain, Chewalah, Wash ton. 36.30 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½- —
l.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
l.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l., frt. alld lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., lump, 95-98%, dms., 40 tons, works, frt. equald lb. .11¾- —
15 tons, same basis lb. .12¼- —
smaller lots, same basis lb. .14½- —
powd., dms., works lb. .12¾- .15
bbls., c.l., works ton. 45.00 - —
hydrous, flake, l.c.l., works ton. 49.00 -51.00
Gluconate, dms., cns lb. 1.68 - 1.93
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs. lb. .29 - .30

STRETCH

your Solvent power with KETONES

How Powerful Ketones cut formulation costs

Every pound of ketones you use s-t-r-e-t-c-h-e-s your ability to formulate high quality lacquers.

Because ketones are the most powerful solvents they give you the highest solids concentrations at all workable viscosities.

And . . . since ketones permit the use of more low-cost diluents without sacrificing quality, they effect material economies.

Moreover, since you buy by the *pound* and sell by the *gallon*, ketones give you more gallons of salable lacquer per pound of solvents.

Ask your Shell Chemical representative to outline the many cost and quality advantages of powerful ketone solvents.

SHELL CHEMICAL CORPORATION

CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6
Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

IN CANADA: Shell Oil Company of Canada, Limited • Toronto • Montreal • Vancouver

Magnesium hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 .47
Metal, 99.8% ingots, cs., works lb. .24½ - —
sticks, cs., works, frt. alld. lb. .42 - .44
on carlots lb. .31 - —
Oleate, fused, bbls
Oxide (see Magnesia calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF bbls lb. .75 - —
Silicate (see Talc)
Silicofluoride, bbls., works lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., c.l. lb. .42 - —
ton lots lb. .43 - —
less ton lots lb. .44 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .43 - .45
1,000-lb lots lb. .45 - .47
100-lb. lots lb. .48 - .50
bulky and super grades, 7c. per lb. higher.
Maleic anhydride, dms., c.l., dlvd., lb. .37 - —
l.c.l., dlvd. lb. .38 - —
Prices on maleic anhydride West of Rockies 1½c. higher
Malva flowers, black, bls lb. .90 - 1.10
Blue, bls. lb. .80 Nom.
Leaves, bls lb. .35 - .38
Mandrake root, bls lb. .43 - .45
Manganese acetate, bbls lb. .33¼ - —
Arsenate, bgs lb. .12 12½
Borate, tech., bbls lb. .24 - .28½
Carbonate, bbls., works lb. .21 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton. 78.00 - —
smaller lots, works ton. 84.00 - 94.00
Gluconate, dms., cns. lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., works lb. .34 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½ - —
solid, precip., 8.2% Mn., bbls. lb. .33½ - —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld. lb. .25½ - —
Oleate, precip., bbls lb. .33½ - —
Resinate, fused, 3½% Mn., dms lb. .21¾ - —
precip., dms lb. .24½ - —
Stearate, ctns., c.l. lb. .42 - —
ton lots lb. .43 - —
less tons lb. .44 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton. 70.00 - —
l.c.l., dlvd., S.E. ton. 77.00 - —
feed grade 80% bgs., dlvd., S. E lb. 05¼ - .07
75%, bgs. c.l., dlvd. S.E. ton. 81.00 - —
l.c.l., dlvd. S. E. ton. 88.00 - —
Tallate, 6%, dms lb. .22¼ - —
Mangrove bark E. Africa 32% tannin, c.l., ex dock ton. 82.50 - —
So. American, 30% tannin, c.l., ex dock ton. 58.00 - 59.00
Manna, flake, large, cs. lb. 1.25 - 1.30
small, cs. lb. .90 - 1.00
Mannitol, com'l. dms., works lb 40 43
reagent 50-lb dms., works lb 85 —
Marjoram, Argentine, bls. lb. No stocks.
Bohemian, bls. lb. .32 - .33
Chilean, bls. lb. .24 - .25
French, bls. lb. .32 - .33
Peruvian, bls. lb. .24 - .25
Matico leaves bls lb. .25 .33
Melamine, bgs. ton lots, works lb. .33 - —
800 lbs. or more, works lb. .33½ - —
less 500 lbs., works lb. .38½ - —
Menadione, USP, bots gram. .06 .06½
Menthol, natural, USP, Brazilian, cs., lb. 9.50 Nom.
Chinese, cs. lb. 10.50 Nom.
synthetic, USP, racemic, cns. lb. 8.10 8.60
Menthyl salicylate, tins lb. 4.00 4.25
Mercaptobenzothiazole, bgs., fib. dms ton lots, works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib dms., ton lots, works, frt. alld lb. .42 - —
less ton lots, same basis lb. .44 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF, VIII powd., fib. dms lb. 5.29 - —
Iodide, red, NF, fib. dms. lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech (see Yellow, mercury oxide)
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd. lb. .13¼ - .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½ - .12½
Metaldehyde, dms., works lb. .95 - —
Metachloranilin, dms., works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .75 - —
l.c.l., works lb. .76 - —
Metanitroanilin, dms., frt. alld. lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine, kgs. frt. alld. lb. .90 - —
Metatoluidine, bbls. c.l., works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, kgs., frt. alld. lb. 1.00 - 1.02
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks, frt. alld gal. .70 —
Prices on natural methanol W. of Miss. 3c. higher
synthetic, zone 1, dms., c.l., frt. alld gal. .44 - —
l.c.l. frt. alld gal. .49 - —
tanks, frt alld gal. .32 - —
zone 2, dms., c.l., frt. alld. gal. .49½ - —
l.c.l., ex whse gal. .54 - —
tanks, frt. alld gal. .35½ - —
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% solut., dealers, dms. cs., works lb .65 - —
Methyl abietate non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd. zone 1 lb. .17¼ - —
l.c.l., same basis lb. .17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind. Ill. Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetone, natural, dms., c.l., E. of Miss., frt. alld. gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.

Methyl acetone, synthetic, dms., c.l., works, frt. alld. E. gal. .66½ - —
l.c.l., works, frt. alld., E gal. .73 - —
tanks, works, frt. alld. E gal. .54 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
tanks, works lb. .49 - —
Alcohol (see Methanol)
Anthranilate, cns. 100 lbs. or more lb. 2.50 2.55
extra, cns. lb. 2.80 - 4.00
Benzoate, cns., dms lb. .60 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18½ - —
tanks, multi-unit, works lb. .14 - —
single-unit, works lb. .11½ - —
refrigerator mfrs. cyls. dlvd lb. .39 .48
other consumers or service men cyls. dlvd lb. .49 —
Cinnamate, cns. lb. 1.43 1.80
Cyclohexanol, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½ - —
tanks, works lb. .32½ - —
Formate, refd., dms lb. .35 - .40
tech. non-ret dms., any quantity works lb .08 —
tanks, works lb .07 —
Iodide, bots., works lb 3.60 3.95
cbys., works lb 3.00 3.25
Lactate, dms., l.c.l., works lb. .35 —

Magnesium Hypophosphite—Mica, Wet-Grd., Rubber

Methyl methacrylate, dms., c.l., and truckload, works lb. .36½ - —
less than truckload works lb. .37 - —
tanks, works lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns, 50 lbs lb. .55 - —
Testosterone, USP, 100 gms. gm. 2.60 - 3.00
Methylal, refined 95% dms., c.l., works lb. .11 - —
l.c.l. works lb. .12 - —
tanks works lb. .08 - —
Methylamyl acetate, dms. c.l. dlvd. works lb. .16¼ - —
l.c.l., dlvd lb. .17¼ - —
tanks, dlvd lb. .14½ - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (1,500-4,000 cps.), 50-lb. bgs., c.l., works lb. 78 - —
2,000 lbs. and more, same basis lb. .80 - —
smaller lots frt alld on 100 lbs. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .66 - —
2,000 lbs and more, same basis lb. .68 - —
smaller lots frt alld on 100 lbs lb. .73 .85
Methylene blue, 100-lb lots, kgs., frt. adjusted lb. 3.25 3.60
smaller lots kgs same basis lb. 3.40 3.60
Chloride, indust., dms., c.l., E lb. .13 - —
l.c.l., dlvd E lb. .14 - —
tanks, dlvd. E lb. .11½ - .11¾
Methylethylketone, dms., c.l., dlvd. lb. .12¾ .13¾
l.c.l., dlvd lb. .13½ - .14½
tanks, dlvd lb. .11 - .12
Methylheptin carbonate, bots lb. 35.00 45.00
Methylionone, A cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime, cns lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl)
Ketone, dms., c.l., dlvd lb. .14¾ - —
l.c.l. dlvd lb. .15½ - —
tanks, dlvd lb. .13 —
Methylnaphthyl ketone, cans. lb. 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, 250-lb dms., dlvd lb. 1.60 1.70
less than 250 lbs., dms., dlvd lb. 1.80 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½ - —
roofing, 20 to 80 mesh, works lb. .03½ - —
wet-grd., biotite, bgs. c.l., works, frt. alld., E lb. .05¾ - —
l.c.l. ex whse. or frt. alld. E lb. .06½ - —
extra fine, bgs. c.l. works, frt. alld. E lb. .05¾ - —
l.c.l. ex whse or frt. alld. E lb. .06½ - —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07¼ - —
l.c.l. ex whse or frt. alld. E lb .08 —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l. ex whse or frt. alld E lb. .07¾ - —

STOP TERMITES with Monsanto DDT, used as a soil toxicant

STOP MOTHS with Monsanto para-Dichlorobenzene

STOP MOLD in soap wrappers with Monsanto Santobrite

STOP WOOD BORERS check powder-post beetles and other wood borers by treating wood with Monsanto Penta

Make the most of your pesticidal chemicals

Insecticidal chemical supplies currently are in short supply and the outlook for supplies in the immediate future is not promising. Often, you can stretch your stock of these chemicals by substituting less scarce materials for those more difficult to obtain in out-of-the-ordinary applications. For example: DDT, well-known for its effectiveness in household sprays and in controlling farm pests, is being suggested for use against termites when employed in a 5% oil solution and applied as a ground toxicant.

For information on the broad uses of Monsanto insecticidal and herbicidal chemicals, contact the nearest Monsanto Sales Office or write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

MONSANTO CHEMICALS to control weeds, insects and other pests

INSECTICIDES
Nifos* T (Tetraethyl-Pyrophosphate, Technical)
ortho-Dichlorobenzene (Commercial Grade)
Niran* (Parathion)
Santobane* (DDT)
Santochlor* (para-Dichlorobenzene)

FUNGICIDES
Copper 8* Quinolinolate
Santobrite* (Sodium Pentachlorophenate, Technical)
Santophen* 1 (ortho-Benzyl-parachlorophenol, Technical)
Santophen 20 (Pentachlorophenol, Technical)
Biolite*

HERBICIDES
2,4-Dichlorophenoxyacetic Acid
2,4-Dichlorophenoxyacetic Acid (Isopropyl Ester)
2,4,5-Trichlorophenoxyacetic Acid
2,4,5-Trichlorophenoxyacetic Acid (Isopropyl Ester)
Santobrite (Sodium Pentachlorophenate, Technical)
Santophen 20 (Pentachlorophenol, Technical)
Sodium Trichloroacetate

ODORANTS
Methyl Salicylate, U.S.P. (Synthetic)
Santomask*

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

*Reg. U. S. Pat. Off.

MONSANTO CHEMICALS — PLASTICS

SERVING INDUSTRY... WHICH SERVES MANKIND

Mica, Wet-Grd., Wallpaper—Oil, Capsicum

Mica, wet-grd., wallpaper, bgs., c.l., works, frt. alld. E. lb. .07¼- —
t.c.l. ex whse or frt. alld. E. lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E. lb. .07¼- —
t.c.l. ex whse or frt. alld. E. lb. .08 - —

Mica, wet-grd., W. of Miss. R. ½c. higher, W. of Rockies 1c. higher

Milk powder, skimmed, roller, bbls., c.l. lb. .14¾- .16¾
spray, bbls., c.l. lb. .15¾- .17¾
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .36 - .42¾
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
Edible milk sugar in fib., dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —

Mineral spirits (see Petroleum mineral spirits).

Molasses, blackstrap, for stock foods, tanks gal. 36. - .37

Molybdate orange (see Orange molybdate)

Molybdenum metal 90% Mo. powd. kgs lb. 3.00 Nom.
Trioxide pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14

Monochlorobenzene, dms., c.l., frt. alld., or dlvd. E. lb. .10¼- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10

Monochlorobenzene prices in the West, 1¼c. higher.

Monoethanolamine, dms., c.l., frt. alld., E. lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine, dms., c.l., frt. alld., E., basis 100% lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30¼- —
Monoethylorthotoluidin, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld., E. lb. .28¼- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .26½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —

Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns. oz. 9.95 -10.00
Hydrobromide, cns. oz. 9.90 - 9.95
Hydrochloride, NF, cns. oz. 9.90 - 9.95
Sulphate, USP, cns. oz. 9.90 -10.05
Morpholine, dms., c.l., works lb. .61½- —
l.c.l., works lb. .62 - —
tanks, works lb. .60 - —
Mullein flowers, cs. lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns. lb. 5.70 - —
5 lbs., cns. lb. 5.85 - —
ketone, 100 lbs., fib. dms. lb. 5.35 - —
25 lbs., cns. lb. 5.45 - —
5 lbs., cns. lb. 5.60 - —
xylol, 100 lbs., fib. cms. lb. 1.65 - 1.75
25 lbs., cns. lb. 1.75 - 1.78
5 lbs., cns. lb. 1.85 - 1.90
Musk root, bls. lb. No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .12 - —
Danish, bgs., futures lb. .14 - .14½
English, yellow, bgs. lb. .16 - .16½
German, yellow, bgs. lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08¼- —
oriental, bgs., source, Sept.-Oct. shipment lb. .07½- —
yellow, bgs., source, Sept.-Oct. shipment lb. .11¼- —
Myrobalans, J1 assorted, bgs., ex dock ton. 58.00 - —
crushed, bgs., ex dock ton. 77.00 - —
J2, bgs., ex dock ton. 45.00 Nom.

LET'S GET DOWN TO "Essentials"

Felton Quality Control starts right back at the prime source. That's why discriminating users consider the Felton Essential Oils listed here always the best dollar values offered.

- ☐ Almond
- ☐ Anise
- ☐ Bay
- ☐ Bergamot
- ☐ Birch
- ☐ Bois de Rose
- ☐ Cananga
- ☐ Cassia
- ☐ Cedarleaf
- ☐ Cedarwood
- ☐ Cherry Laurel
- ☐ Cinnamon
- ☐ Citronella
- ☐ Clove
- ☐ Copaiba
- ☐ Coriander
- ☐ Eucalyptus
- ☐ Geranium
- ☐ Grapefruit
- ☐ Guaiacwood
- ☐ Labdanum
- ☐ Lavandin
- ☐ Lavender
- ☐ Lemon
- ☐ Lemongrass
- ☐ Limes
- ☐ Orange
- ☐ Patchouly
- ☐ Peppermint
- ☐ Petitgrain
- ☐ Pimenta
- ☐ Rosemary
- ☐ Sage
- ☐ Sandalwood
- ☐ Spike
- ☐ Spearmint
- ☐ Thyme
- ☐ Vetivert
- ☐ Wintergreen
- ☐ Ylang Ylang

GET IN TOUCH WITH US NOW FOR LATEST QUOTATIONS!

AROMATICS • PERFUME BASES • ESSENTIAL OILS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.

PLANTS: BROOKLYN, N. Y. • LOS ANGELES, CAL. • MONTREAL, QUE. • PARIS, FRANCE
SALES OFFICES: ATLANTA • BOSTON • CHICAGO • DALLAS • PHILADELPHIA
ST. LOUIS • TOLEDO • TORONTO
STOCKS CARRIED IN PRINCIPAL CITIES

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld. lb. .0625- —
78°, dms., c.l., same basis lb. .0765- .0790
l.c.l., same basis lb. .0790- .0815
tanks, same basis lb. .0675- .0700
refined, industrial, bbls., c.l., frt. equald. lb. .11¾- —
bgs., c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis, lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l. same basis lb. .17 - —
imported, crude, 78°, large lots, lb. .11 - .17

Natural gas, sweet, as chemical raw material, Texas well-head average prices, July, 1950:—
District 1, San Antonio M c.f. .04468- —
2. Refugio M c.f. .04128- —
3. Houston M c.f. .04769- —
4. Corpus Christi M c.f. .03729- —
5. Kilgore, Palestine, Mt. Pleasant M c.f. .04869- —
6, Kilgore, Palestine, Mt. Pleasant M c.f. .06743- —
7B. Abilene M c.f. .04696- —
7C. San Angelo M c.f. .04696- —
8. Midland M c.f. .04655- —
9. Wichita Falls M c.f. .04424- —
10. Pampa M c.f. .03913- —

Neocinchophen USP dms., frt. adjusted lb. 7.00 - 8.00
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns. lb. 2.25 - 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel, acetate, bbls., dlvd. lb. .60 - .60½
Carbonate, bbls., dlvd. lb. .66¼- —
Chloride, bbls., dlvd. lb. .34½- —
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .58½- .59½
Metal, electro cathodies, cs, works lb. .56½- —
Nitrate, bbls., works lb. .33½- —
Oxide, black, bbls. lb. .63¼- —
Sulphate, bgs., c.l., dlvd. lb. .26¼- —
c.l., dlvd. lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo. 11.50 -11.80
Nicotine sulphate, 40% 50-lb. dms., dealers, frt. alld. over 70 lbs. dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, cbys lb. 7.50 - 7.75
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .11 - .11½
l.c.l., frt. alld lb. .12 - .12½
tanks, frt. alld lb. .10 - .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
30-35 cps, 250-400, 600-1,000 secs., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis, lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., dlvd., E. of Rockies lb. .25 - —
Nitrogen solution, tanks, works, N. ton. 120.00 - —
Nitrogenous process, tankage, bulk, works, ammo., ship't unit-ton. 4.90 - —
Sewage sludge, bulk, works unit-ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd., E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .34 - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Nutgalls, Aleppo, bgs lb .38 - —
Chinese, bgs lb .32 - —
Istrian, bgs lb .31 - —
Nutmeg, East Indian, cs. lb. .52 - .53
splits, bgs. lb. .50 - .51
West Indian, bgs. lb. .40 - .41
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs. lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .41½- —
l.c.l., dlvd. lb. .43½- —
tanks, dlvd. lb. .39 - —
Octyl methacrylate, normal, dms., less than truckload, works, lb. .83 - —
Oil, abies siberica, cns. lb. 3.90 - 4.25
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots lb. 3.15 3.85
NF, bots lb 3.00 3.75
sweet, USP, dms., cns. lb. .60 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.65 - 2.00
Angelica root, bots. lb. 120.00 -150.00
seed, bots lb. 100.00 130.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.70 - 2.60
Apricot kernel, USP, dms. lb. .45 - .65
Avocado, cns., dms lb. 1.00 1.10
Babassu, crude, tanks lb. .17¼- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.65 - 2.00
53-60%, cns. lb. 1.80 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.90 - 2.00
Bergamot, artif., cns lb. 3.35 3.75
natural, NF, Italian, cns. lb. 12.75 -15.00
Birchtar, crude, cns. lb. 1.45 - —
rectified, NF, cns. lb. 3.90 - —
Bois de rose, Brazil, dms. lb. 4.45 - 4.75
Mexican (see Oil, lignaloe wood.)
Bone, dms., works gal. 65 70
Cajeput, redist., USP, cns. lb. 2.10 - 2.35
tech., dms. lb. 2.45 - 2.70
Calamus, cns. lb. 20.00 28.00
Camphor, sassafrassy, dms. lb. .26 - .42
white, dms. lb. .26 - .45
Cananga, native, cns. lb. 8.25 -12.15
rectified, cns. lb. 9.20 -14.15
Capsicum (see Capsicum oleoresin).

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REctor 2-0262 Cables: GALLARDKEM

Oil, Caraway—Oil, Tung

Oil, caraway, NF, cns ..... lb. 4.05 - 5.00
Cardamom, NF, bots ..... lb. 60.00 -80.00
Castor, blown, dms., c.l. ..... lb. .3600- —
l.c.l. ..... lb. .3650- —
dehydrated, bodied, dms., c.l. lb. .3860- —
l.c.l. ..... lb. .3910- —
tanks ..... lb. .3735- —
unbodied, dms., c.l. ..... lb. .3760- —
l.c.l. ..... lb. .3810- —
tanks ..... lb. .3635- —
hydrogenated, dms., l.c.l. ..... lb. .4550- —
No. 1, Brazilian, tanks ..... lb. .32 Nom.
USP, dms., c.l. ..... lb. .3375- —
l.c.l. ..... lb. .3425- —
tanks ..... lb. .3275- —
refined and deodorized, dms., c.l. lb. .3525- —
l.c.l. ..... lb. .3575- —
tanks ..... lb. .3425- —
No. 3, tech., dms., c.l. ..... lb. .3350- —
l.c.l. ..... lb. .3400- —
tanks ..... lb. .3250- —
sulphonated, 30% (48% fat), dms., l.c.l. lb. .18 - .20
75% (60-62% fat), dms., l.c.l. lb. .25 - —
Cedarleaf, USP, cns., dms ..... lb. 2.90 - 3.50
Cedarwood, cns., dms ..... lb. .55 - .65
Celeryseed, bots ..... lb. 16.50 -21.00
Chamomile, blue, Hungarian, bots. lb. 280.00 -340.00
Chaulmoogra, NF, cns., dms lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots ..... lb. 30.00 -60.00
leaf, Ceylon, bots ..... lb. 2.25 - 3.25
Citronella, Ceylon, cns., dms. lb. 1.50 - 2.40
Java, true, cns ..... lb. 1.90 - 2.60
Java type, cns ..... lb. .95 - 2.25
Clove, USP, from buds, cns., dms. lb. 3.25 - 3.73
Oil, coconut, crude, tanks, Atlantic ports. lb. .14¾- —
Pac. Coast ..... lb. .13¾- —
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .21½- —
deodorized, tax incl., non-ret. dms., l.c.l. lb. .24 - —
Cod, Newfoundland, dms ..... lb. .15 Nom.
Codliver, USP, dms ..... gal. 1.90 - 2.00
Copaiba, cns ..... lb. 2.50 - 4.25
Coriander, USP, bots ..... lb. 25.00 -32.50
Corn, crude, tanks, works ..... lb. .15¼- —
foots, acid, 95%, tanks, N. Y. lb. .05½- —
raw, 50%, tanks, same basis. lb. .02½- —
refined, dms. ..... lb. .20½- —
tanks ..... lb. .18¾- —
Costus, bots ..... oz. 19.50 -23.00
Cottonseed, crude, tanks, South-East and Valley. lb. .14½- —
tanks, Texas ..... lb. .14¼- —
foots, acid, 95%, tanks, N. Y. lb. .04¾- —
raw, 50%, tanks, same basis. lb. .02½- —
salad, dms ..... lb. .21½- —
tanks ..... lb. .18¾- —
Creosote (see Creosote, coaltar).
Croton, cns ..... lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. ..... lb. 5.75 - 7.50
Cumin, bots ..... lb. 5.60 - 7.00
Cypress, bots. ..... lb. No stocks.
Degras (see D).
Dillseed, India, bots ..... lb. 6.25 - 7.75
Dillweed, domestic, bots., dms lb. 4.00 - 4.50
Dip (see D)
Erigeron, cns ..... lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms. lb. 1.30 - 1.50
70-75%, dms ..... lb. 1.15 - 1.40
Oil, fennel, USP, cns ..... lb. 2.30 - 3.25
Fir, Canada, cns ..... lb. 2.85 - 3.40
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .15 - .15½
10,000 to 20,000 A units dms. 1,000,000 units. .13 - —
25,000 to 33,000 A units dms. 1,000,000 units. .13 - —
40,000 to 53,000 A units dms. 1,000,000 units. .13½- —
prime, nat. or conc., 100,000 A units, dms ..... 1,000,000 units. .16 - —
200,000 A units, dms ..... 1,000,000 units. .17 - —
300,000 A units, dms ..... 1,000,000 units. .17 - —
400,000 A units, dms ..... 1,000,000 units. .18 - —
500,000 A units dms ..... 1,000,000 units. .18 - —
700,000 A units, dms ..... 1,000,000 units. .20 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots ..... oz. 7.00 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns ..... lb. 22.50 -26.00
Bourbon, cns ..... lb. 24.50 -30.00
Turkish (see Oil, palmarosa)
Ginger, dist., bots ..... lb. 21.00 -23.50
Grapefruit, dms ..... lb. 1.75 - 2.35
Grease, No. 1, dms ..... lb. .13½- .15
extra, winter, strained, dms. lb. .16 - .16½
prime, burning, dms ..... lb. .16½- .18½
Guaiacwood, cns. ..... lb. 1.65 - 2.10
Hemlock, cns ..... lb. 2.20 - 3.15
Oil, juniper berry, NF VIII, bots lb. 2.75 - 4.00
twice rectified, bots ..... lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns ..... lb. .65 - 1.00
Lard (see Oil grease).
Laurel, dms., cns ..... lb. 3.90 - 4.50
Lavandin, dms., cns ..... lb. 3.50 - 5.00
Lavender, flower, USP, French, 30-32% ester, cns ..... lb. 4.50 - 5.50
38-40% ester, cns ..... lb. 6.25 - 7.10
40-42% ester, cns ..... lb. 7.15 - 8.10
Spike, Spanish, cns ..... lb. 2.25 - 3.75
Lemon, USP, Calif., cns., dms. lb. 4.35 - 5.00
Messina, cns ..... lb. 3.80 - 8.20
Lemongrass, cns., dms ..... lb. 3.60 - 4.25
Lignaloe wood, Mexican, cns ..... lb. 4.55 - 4.80
Lime, distilled, Mexican, cns. lb. 8.10 - 8.60
West Indian, cns ..... lb. 8.05 - 9.25
expressed, West Indian, cns. lb. 7.25 -15.00
terpeneless, bots ..... lb. 45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1970- —
l.c.l. ..... lb. .2030- .2080
tankcars ..... lb. .1870- —
tankwagon ..... lb. .1900- —
Mace, dist., cns., dms ..... lb. 4.50 - 6.00
Mandarin, Floridian, dms ..... lb. 3.00 - 5.00
Italian, cns ..... lb. 8.50 - 8.75
Menhaden, crude, tanks, Balto. lb. .11½- —
refined, alkali, dms ..... lb. .1810- —
kettle-bodied, dms ..... lb. .1910- —
light-pressed, dms ..... lb. .1690- —
tanks ..... lb. .15½- —
Mineral, white (see Oil, white, mineral).
Nitrobenzene (see Nitrobenzene).
Mustard seed, expressed, dms lb. .25 Nom.
synthetic, cns., dms ..... lb. 1.60 - 1.70
Neatsfoot, 15°, dms ..... lb. .37 - .38
20°, dms. ..... lb. .36 - .37
30°, dms ..... lb. .34 - .35
Neroli, NF, French bots ..... lb. 115.00 -195.00
Haitian, bots ..... lb. 90.00 - —
Niaouli, cns ..... lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms. lb. 4.45 - 5.75
West Indian, cns., dms. lb. 4.00 - 4.75
Ocotea cymbarum, dms ..... lb. .75 - 1.10
Oiticica, liquid, dms ..... lb. .26 - .26½
tankcars ..... lb. .24½- —
Oleo, extra, dms ..... lb. .23 - —
Olibanum, bots ..... lb. 3.25 - 7.65
extra fine, bots ..... lb. 8.00 —
Olive, commercial, dms ..... gal. No stocks.
edible, dms., duty paid ..... gal. 2.40 - 2.50
foots, dms ..... lb. .18 - .18¼
Orange, sweet, dist., cns ..... lb. .80 - 1.50
expressed USP Brazilian cns., dms lb. No stocks.
Calif., cns ..... lb. 2.35 - 2.75
Florida, cns., dms ..... lb. 2.35 - 2.75
Messina, cns ..... lb. 4.00 - 5.85
West Indian, cns ..... lb. 2.75 - 3.35
sesquiterpeneless, bots ..... lb. 223.00 —
Origanum, Spanish, cns ..... lb. 2.30 2.75
Palm, Congo, dms ..... lb. .20 - —
Palmarosa, cns ..... lb. 8.00 9.00
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery gal. .14 - —
Patchouli, dms ..... lb. 13.00 -23.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast, lb. .17 - —
refined, dms ..... lb. .22 - —
tanks ..... lb. .19½- —
Pennyroyal, USP, imported, cns lb. 4.00 - 4.75
Peppermint, natural, dms ..... lb. 7.25 8.25
redist., USP, dms ..... lb. 7.60 8.75
Persic, USP (see Oil, apricot kernel).
Perilla crude dms ..... lb No stocks.
Petitgrain, Paraguay, cns ..... lb. 3.20 - 3.75
Pimento berry, NF, dms ..... lb. 4.60 - 5.75
leaf, cns ..... lb. 2.35 - 2.85
Pine, dest., dist., dms., extra, c.l., works gal. .75½- —
l.c.l. ..... gal. .76½- —
l.c.l., whse ..... gal. .95½- —
steam dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C lb. .127 - —
Pineneedle, Siberian (See Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. 11 - —
l.c.l., same basis ..... lb. .12 - —
tanks, same basis ..... lb. .10 - —
Rapeseed, tankcars ..... lb. .24 Nom.
Red (see Acid, oleic)
Rice bran, clarif., dms lb. No stocks.
Rose, natural, Bulgarian, bots oz. 40.25 -50.25
Rosemary, Spanish, tech., cns., dms lb. .85 - 1.10
USP, cns., dms ..... lb. .95 - 1.30
Rue, bots ..... lb. 2.75 - 3.10
Safflower, dms, l.c.l. ..... lb. No stocks.
Sage, clary, bots ..... lb. 21.00 -23.50
Dalmatian, cns ..... lb. 13.00 -15.90
Spanish, cns ..... lb. 1.00 - 2.25
Sandalwood, NF, cns ..... lb. 11.75 -14.75
Sardine, crude, tanks, Pac. coast, lb. .12 - —
refined, alkali, dms ..... lb. .1810- —
kettle-bodied, dms ..... lb. .1910- —
light-pressed, dms ..... lb. .1690- —
tanks ..... lb. .15½- —
Sassafras, artificial, cns., dms lb. .75 - 1.25
natural Brazilian (see Oil ocotea cymbarum)
domestic, USP, cns., dms. lb. 1.75 - 2.20
Savin, cns ..... lb. 2.75 3.00
Savory cns. lb No stocks.
Sesame, refd., dms., l.c.l. ..... lb. .38 - .39
Shingle stain, tar distillate, dms., c.l., works ..... gal. .31 - —
l.c.l. works ..... gal. .33 - —
tanks, works ..... gal .20 —
Snakeroot, Canada, cns ..... lb. 31.00 -40.00
Soybean, crude, tanks, mills ..... lb. .13¾- —
foots, acid, 95%, tanks, N. Y. lb. .06½- —
raw, 50%, tanks, same basis lb. .03 - —
refined, alkali, dms., c.l. ..... lb. .1798- —
l.c.l. ..... lb. .1843- .1893
tanks ..... lb. .1698- —
clarified, dms., c.l. ..... lb. .1698- —
l.c.l. ..... lb. .1748- .1798
tanks ..... lb. .1598- —
salad, dms. ..... lb. .19 - .19¼
tanks ..... lb. .16¾- —
Spearmint, USP, dms ..... lb. 6.25 - 7.00
Sperm, bleached, winter, 45°, dms. lb. .1830- .1880
tankcars ..... lb. .1720- —
natural, winter, 45°, dms ..... lb. .1710- .1760
tankcars ..... lb. .16 - —
Spruce, cns., dms ..... lb. 2.50 - 3.15
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns. ..... lb. 2.00 - 3.50
Tall, crude, tanks, works ..... lb. .03 - .03¼
refined, dms., c.l., works ..... lb. .06½- .07¼
l.c.l., works ..... lb. .06¾- .07¾
tanks, works ..... lb. .05¼- .06¼
Tallow, acidless, dms ..... lb. .15 - .16¼
Tansy, dms ..... lb. 8.60 - 9.00
Tar, pine, com'l, dms., extra, c.l., works lb. .0488- —
l.c.l., works ..... lb. .0545- —
whse. ..... lb. .0655- —
tanks, works ..... lb. .041 - —
rectified, N.F., l.c.l., dms. extra, works, South gal. .67 - —
whse, N.Y.C. ..... gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter)
Thyme, NF, red, cns., dms ..... lb. 1.95 - 3.75
white, cns ..... lb. 2.25 - 4.00
Tung, dom., tanks, mills ..... lb. No stocks.
imported, dms., c.l. ..... lb. .38½- —
l.c.l. ..... lb. .39 - —
tanks ..... lb. .37 - —

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Prepared by U. S. Industrial Chemicals Co.

U.S.I. CHEMICAL NEWS

October ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1951

Water-Repellent Aerogels Dry Without Shrinking

Production of improved aerogels which have all the properties of dried gels made with present methods, but with the added advantage of water-repellency, is claimed possible with a new process recently patented in Canada.

Aerogels are valuable in removing undesirable compounds from lubricants, refining sugar, purifying gases, absorbing vapors, dehumidifying air, and as carriers for contact catalysts. Up to this time, however, they have suffered from effects of water and humidity, with the result that they shrink on drying out.

High Volume to Weight Ratio

The new aerogels are said to have an extremely high volume to weight ratio, to be highly resistant to moisture, and to overcome successfully the problem of shrinkage on drying. The materials are reported to be useful as fillers for heat insulation and as additives for greases, anticaking agents, printing inks, paints, varnishes, and lacquers. Silica aerogels are incombustible and are said to be suitable substitutes for kapok in life preservers.

Non-Aqueous Titrations Simplify Control Analyses

Non-ionic titration in solvents other than water is described as a promising new analytical tool, the possibilities of which have only been touched upon as yet. Present techniques include a method for titrating an oxazoline in glacial acetic acid with perchloric acid in acetic acid as titrant, replacing a lengthy Kjeldahl procedure formerly used for the determination. Another method can be used to titrate halides, nitrates, sulfates, and phosphates of amines, heterocyclic bases, and quaternary ammonium compounds—including such physiologically active compounds as vitamins, antihistamines, and alkaloids, it is said.

Enthusiastic analysts claim that non-aqueous titrations reduce markedly the cost of running many routine determinations. Less expensive and less complicated equipment is needed, and precision and accuracy are said to be good, all of which are primary requirements of product control laboratories.

Brain Chemical May Cause High Blood Pressure

A recently discovered chemical which is secreted by the brain and passed directly into the blood stream is thought to be a possible factor in causing high blood pressure. The chemical has not been completely identified as yet but is said to resemble serotonin, a substance found in clotted blood. Indications of the chemical's action were obtained when blood pressures of volunteer patients were lowered markedly on administration of hydrazinophthalazene, a drug known to counteract the new compound. The chemical is a possible explanation of why mental stress and anxiety can raise blood pressure, it is said, because mental tension causes an increase in the brain's secretion of the substance.

U.S.I. to Exhibit Products At Three Trade Shows

Will Have Displays at American Vocational Assn. Convention And Georgia State Fair — Complete New Exhibit Booth Being Readied for Paint Industries Show in November

Products of U. S. Industrial Chemicals Co. Division of National Distillers Products Corporation will be exhibited at two conventions and a state fair this fall, company officials announced recently. A U.S.I. exhibit featuring Pyrenone* Grain Protectant — illustrating the grains it protects, the types of storage facilities in which it is effective, and how farmers should apply it — will be on display at the 96th annual Georgia State Fair, to be held this year October 15 through 20 at Macon, Georgia. About 125,000 farmers and members of such groups as Future Farmers of America and 4-H clubs attend the fair each year.

Pyrenone Grain Protectant exhibit to be displayed at American Vocational Association Convention and Georgia State Fair.

Response to the introduction of Pyrenone Grain Protectant has been especially enthusiastic in the South, where insect infestations are severe because of the warm climate. U.S.I. plans to have continuous showings of the new sound movie "Wicked Willie Weevil" at the booth, since it dramatizes the Southern farmers' insect control problem.

Vocational Group Has Large Agricultural Membership

The Pyrenone Grain Protectant exhibit will also be displayed at the American Vocational Association Convention to be held at

MORE

Separate Aromatics Using New Silica Gel Process

A method for commercially separating aromatics by means of silica gel is expected soon to add an annual 13 million gallons of benzene, 30 million gallons of toluene, and 15 million gallons of xylenes to the country's production of these critically needed materials.

Developed from a technique used in petroleum analysis, the process consists of passing an aromatic-rich stream from a catalytic reforming process through a bed of silica gel which retains the aromatics and allows the saturate portion to pass through. When absorption capacity of the gel is reached, the feed is shut off and the bed desorbed, first with a stream of mixed xylenes which washes out residual charge stock, then with a stream of butane which gradually displaces the absorbed aromatics. A light sulfuric acid treatment and final fractionation is reported to produce specification products.

Article Abstracts Apply Statistical Engineering To Chemical Industries

Abstracts of articles on statistical engineering as applied to chemical process industries such as food, refining, pulp and paper, and rubber, are compiled in a single 48-page booklet just published. Statistical engineering is the application of theories of statistical mathematics to experimental processes in order to arrive at most efficient and least costly operation from the standpoint of objectives and results. According to the booklet, statistical methodology has been relatively neglected in chemical experimentation as compared to its use in other fields.

Glycerine-Zirconium Oxide Seen as Poison Ivy Remedy

Poison ivy sufferers will be interested in a new vanishing-cream type of ointment which is reported to have shown highly satisfactory results in medical tests. Containing zirconium oxide and glycerine as principal active ingredients, the ointment is claimed to have cleared up promptly 40 of 47 clinical cases of ivy poisoning treated. In tests on volunteers who were exposed to poison ivy extract, results indicated that the ointment may act as a preventive for poisoning as well as a cure.

Explosion-Proof Glass

A super-laminated plate glass window, developed to minimize effects of explosive forces and to eliminate dangers of flying glass, is reported to have performed successfully in tests involving blasts greater than that of a Hiroshima-type A-bomb at a distance of one mile. Outer layer of the laminate is glass, the middle one is a partially segmented sheet of polyvinyl butyral plastic, the edges of which are bolted to the window frame. The inner layer consists of four triangular pieces of glass held in place by the plastic. When the outer layer is broken by the blast, the plastic layer and inner glass segments swing inward and can later be returned to original position. The plastic's unusual flexibility and resistance to rupture is said to prevent the glass segments from being torn away from the window frame by the impact of the explosion.

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October ★

U.S.I. CHEMICAL NEWS

★ 1951

CONTINUED

Trade Show Exhibits

Minneapolis, Minnesota, November 26 through December 1. At the present time, about half of the A.V.A.'s membership is made up of agricultural personnel, and a high percentage of those who will attend the convention are people who teach and deal with rural youth and adults. This A.V.A. agricultural group,

Artists's conception of the new U.S.I. trade-show exhibit booth that will be unveiled at the Paint Industries' Show. Theme of the new booth is "Keep Posted on New Developments—Keep Your Eye on U.S.I."

who have tremendous influence on today's farmers and future farmers, will have a chance at the convention to get first hand knowledge about U.S.I.'s important new Pyrenone Grain Protectant.

Design New U.S.I. Exhibit for Paint Industries' Show

A completely new U.S.I. trade-show exhibit is under construction now and will be unveiled at the Paint Industries' Show at the Haddon Hall, Atlantic City, New Jersey from October 31 through November 3. Held in conjunction with the annual meeting of the Federation of Paint and Varnish Production Clubs and the National Paint, Varnish and Lacquer Association, this show brings together the members of the protective coatings industry and the raw materials and equipment manufacturers who supply that industry.

Theme of the new U.S.I. booth will be "Keep Posted on New Developments—Keep Your Eye on U.S.I." U.S.I. resins, alcohols, and solvents used in the protective coatings industry will be on display, with samples and literature available.

**Reg. U.S. Pat. Off.*

New Washer Eliminates Bottle-Washing Bottleneck

"Dishwashing" problems, a perennial headache for laboratory management, are reportedly solved with a new automatic glassware washer recently introduced to the market. Designed with problems of both service and industrial laboratories in mind, the washer is said to handle six large baskets of laboratory ware at once—bottles, funnels, tubes, flasks, pipettes, Petri dishes, and microscope slides—and to deliver them thoroughly washed and rinsed, chemically clean in a fraction of the time required by conventional methods.

Baskets and holders are available separately for various types of ware. In operation, the proper baskets are loaded and fitted on a drum which rotates ferris-wheel fashion at 9 r.p.m. in and out of a cleaning solution. By means of jets located at one end of the tank, glassware can be given hot and cold rinses as desired, and, in the steam-heated model, can be treated with live steam as well. In action, the washer is said to require only a few minutes of the operator's time, thus releasing him for other duties.

Radioactive Phosphorus Measures Tire Wear

Radioactive phosphorus is reported to be the tool with which scientists are able, for the first time, to measure accurately the wear of rubber tire treads. The isotope, obtained from Oak Ridge, is incorporated in the compounds forming the top layer of tread material of special test tires. A portable Geiger counter, mounted on a small cart behind the wheel, scans the track made by the radioactive tire as it proceeds on the road surface. X-ray photographs of the track allow precise measurement of the size and amount of rubber particles worn off, and a scoop and filter arrangement back of the tire collect for measurement the particles that are blown into the air.

This method is said to have the advantages of giving instantaneous data and of enabling the evaluation of such factors as the type of road surface and temperature, speed, tire pressure, and transmission of power on tread wear.

TECHNICAL DEVELOPMENTS

Information about manufacturers of these items may be obtained by writing U.S.I.

Rapid surface tension measurements, accurate within 5 per cent, are said to be obtainable by even inexperienced workers with a new meter which can be used with all types of solutions except those containing free fluorine ions. **(No. 729)**

Improved rubberized paper is said to result from a new method for adding rubber latex to pulp. Product reportedly has high wet strength and good chemical resistance, and to be suitable for gaskets, multi-wall bags, and box-paper. **(No. 730)**

A new vinyl light stabilizer reputedly withstands 6,000 Weather-Ometer hours compared with the 1,000-hour maximum for most other formulations. The stabilizer is designed for use in sheeting for raincoats, draperies, shower curtains. **(No. 731)**

A synthetic resin cement that sets hard in contact with concrete and metals, is said to join brick and tile and to adhere glass, concrete, metal, and other materials. Resistance to many acids, solvents, greases, and oxidizing agents is claimed. **(No. 732)**

A plastic substitute for decorative metal is being offered for use in radio cabinets, name plates, signs, etc. The material has a mirror-like metallic appearance, is easily laminated to heavy board, and takes silk screening and other reproducing processes, it is claimed. **(No. 733)**

A leak-indicating machine is designed to test steel drums and other types of sealed containers before they are filled with oil or chemical products. According to the maker, the machine is low priced and can be installed by an inexperienced maintenance man in a few minutes. **(No. 734)**

An anti-rust paint which can be applied over rust without scraping or wire-brushing is claimed to be equally effective in preventing rust on new metal and in stopping rust action on already corroded metal. Available in black and in a clear finish which can be painted over with any standard paint. **(No. 735)**

A new synthetic rubber flooring for industrial applications is reputed to dry to a pleasing light concrete color and to bond inseparably, without preliminary treatment, with wood, metal, concrete, brick, slate, stone, asphalt mastic, composition, and other bases. Good resistance to loads of considerable weight is also claimed. **(No. 736)**

A rust-preventive paper wrapping, designed to protect heavy machinery and bulky metal parts during storage and shipping, is described as being tough, resilient, tear-resistant, and moisture- and water-repellent. Product consists of two kraft sheets cemented together and reinforced with spun glass fibers. The inner sheet is impregnated with a volatile rust-inhibitor. **(No. 737)**

A new all-purpose cleaner, said to combine the advantages of an all-vegetable oil soap with those of a synthetic detergent and an alkaline polysulfate, is formulated for efficient action in hard as well as soft water, either hot or cold. **(No. 738)**

PRODUCTS OF U.S.I.

ALCOHOLS
Amyl Alcohol (Isoamyl Alcohol)
Butanol (Normal-Butyl Alcohol)
Fusel Oil—Refined
Propanol (Normal-Propyl Alcohol)
Ethanol (Ethyl Alcohol)
Specially Denatured—all regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof U.S.P., Absolute—200 Proof
Solox*—proprietary solvent—regular and anhydrous
ANTI-FREEZE
Super Pyro* Anti-Freeze
U.S.I. Permanent Anti-Freeze
ANSOLS
Ansol* M
Ansol* PR
ACETIC ESTERS
Amyl Acetate—Commercial and High Test
Butyl Acetate
Ethyl Acetate—all grades
Normal-Propyl Acetate
OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate
PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
OTHER ESTERS
Diatol*
Diethyl Carbonate
Ethyl Chloroformate
INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-chloroanilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloroanilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate
ETHERS
Ethyl Ether, U.S.P.
Ethyl Ether, Absolute—A.C.S.
ACETONE — A.C.S.
FEED PRODUCTS
Curbay B-G*
DL-Methionine
Riboflavin Concentrates
Special Liquid Curbay*
U.S.I. Vitamin B_{12} and Antibiotic Feed Supplements
Vacatone* 40
RESINS (Synthetic and Natural)
Arochem*—modified types
Arofene*—pure phenolics
Aroflat—for special flat finishes
Aroplaz*—alkyds and allied materials
Congo Gums—raw, fused and esterified
Ester Gums—all types
Natural Resins—all standard grades
INSECTICIDE MATERIALS
CPR Concentrates: Liquid & Dust
Piperonyl Butoxide
Piperonyl Cyclonene
Pyrenone* Concentrates: Liquid & Dust
Pyrethrum Products: Liquid & Dust
Rotenone Products: Liquid & Dust
INSECTIFUGE MATERIALS
Indalone*
Triple-Mix Repellents
OTHER PRODUCTS
Collodions
Ethylene
Nitrocellulose Solutions
PiB*—Liquid Insulation
Urethan, U.S.P.
Special Chemicals and Solvents

*Reg. U.S. Pat. Off.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation

60 EAST 42nd ST., NEW YORK 17, N. Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

Oil, Turkey red (see oil, castor, sulphonated)
Turpentine, NF, cns., dms. lb. .32 - .55
Vetiver, Bourbon, cns. lb. 27.00 -32.50
Haitian, cns. lb. 22.00 -26.00
Java, cns. lb. 35.00 - —
Wheat germ, 5-gal. dms. gal. 10.00 -13.00
White, mineral, tech., 50-65% vis., dms. c.l., N.Y. gal. .54½- .57½
l.c.l., same basis gal. .60½- .62½
65-75 vis., dms., same basis, gal. .55½- .58½
l.c.l., same basis gal. .61½- .63½
NF, 80-90 vis., dms., c.l., same basis gal. .56½- .59½
l.c.l., same basis lb. .62½- .64½
125-135 vis., dms., c.l., same basis gal. .62½- .65½
l.c.l., same basis gal. .68½- .70½
145-155 vis., dms., c.l., same basis gal. .69½- .71½
l.c.l., same basis gal. .75½- .76½
175-185 vis., dms. c.l., same basis gal. .72½- .76
l.c.l., same basis gal. .78½- .81
USP, 200-210 vis., dms., c.l., dms., c.l., same basis gal. .75½- .78
l.c.l., same basis gal. .81½- .83
345-355 vis., dms., c.l., same basis gal. .80 - .83
l.c.l., same basis gal. .86 - .88
Wintergreen, USP, nat., Northern, cns. lb. 5.75 -14.50
Southern, cns. lb. 3.25 -19.50
synthetic (see Methyl salicylate)
Wood (see Oil, tung).
Wormseed, NF, cns. lb. 7.85 - 9.00
Wormwood, cns. lb. 6.60 - 7.50
Ylang-ylang, Bourbon, bots. lb. 18.00 -30.00
extra, bots. lb. 25.00 -36.00
Madagascar bots lb No stocks.
Oleostearin, bbls. lb. .18 - —
Olivine, aggregate, c.l., mines ton 7.00 9.50
crushed 8 mesh bulk c.l. works ton. 10.00 —
paper bgs., c.l., works ton. 12.00 —
Opium, USP, cns. lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd. USP cns. lb. 21.65 -21.90
Orange cadmium lithopone bbls. frt. alld. E. of Rockies lb. 1.65 - —
Chrome, CP, bbls., dlvd. N. of Penn and N. C. & St. L. R.R., includ. Davenport Penn. and N. C. & St. of Minneapolis, Rock Island St. Louis St. Paul lb. .32 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c Miss., N. C., S. C., Penn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago
Dinitroanilin toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2310- .2385
Molybdated, bbls lb. .45 - —
Orthonitroanilin toner, kegs lb. 1.15 - —
Persian, bbls lb. .65 - —
Orange flowers, bls lb. .12 - .15
Peel, bitter, Haitian, bls. lb. .11 - .14
sweet, bls. lb. .14 - .16
Oregano, Italian, bgs. lb. .14 - .19
Mexican, bgs. lb. .14 - .14½
Portuguese bgs lb .15 - .15½
Orris root, Florentine, bls. lb. .20 - .22
powdered, bbls., bxs. lb. .25 - .26
Verona, bls. lb. .14 - .15
powdered bbls, bxs lb. .19 - .24
Orthoaminobiphenyl, dms., works c.l., lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks same basis lb .31 - —
Orthoanisidin bbls lb. .88 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .65 - —
smaller lots lb. .75 - —
Orthochlorabenzaldehyde, dms. works lb. 1.18 - —
Orthochloroparanitroanilin, dms., dlvd. lb. .86 - —
Orthochlorophenol dms., c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Orthocresol, pure, 30° C. non-ret., dms. c.l. frt equald lb. .198 - —
l.c.l., same basis lb. .201 - —
ret. dms. c.l. same basis lb. .195 - —
l.c.l., same basis lb. .20 - —
29° C. non-ret. dms., c.l., same basis lb. .188 - —
l.c.l., same basis lb. .191 - —
ret. dms., c.l., same basis lb. .185 - —
l.c.l. same basis lb. .19 - —
24-29° C. non-ret dms., c.l., same basis lb. .178 - —
l.c.l., same basis lb. .181 - —
tanks same basis lb. .165 - —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .11¾- .13¼
l.c.l., same basis lb. .12¾- .14¼
tanks, same basis lb. .10¼- .11¾
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroanilin, dms. lb 50 53
Orthonitrochlorobenzene, dms. lb. .20 - .21
Orthonitrobiphenyl tech. dms., c.l., works lb. .14½- —
l.c.l. works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol cns lb 75 - —
Orthonitrophenol bots, works lb. .94 - —
Orthonitrotoluene dms. c.l. frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
Orthophenatidin dms., works lb. 1.00 - —
Orthophenylphenol, fib. dms., works. lb. .20 - .44
Orthotoluidin, dms., c.l., works lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
Osage orange crystals, bbls., No. 1, l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin (see Tolidine Base)
Ouabaine, USP, bots gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up lb. 4.35 - —
Oxyquinolin sulphate, cns., 100-lb. lots, works lb 4.75 - 5.00
smaller lots, works lb 5.28 - 5.38

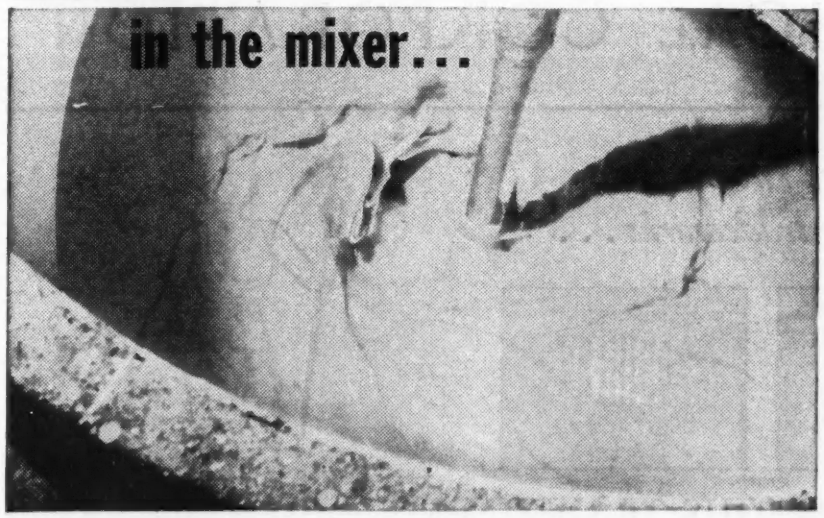
P

Pancreas substance, assay 1:75 bots lb 5.75 - 6.25
Pancreatin USP., bots lb 2.50 - 3.00
Panthenol bots, works frt adjust kilo 90.00 - —
Papain, powd. NF, African, cs lb. 6.45 - 9.00
Ceylon, cs. lb. 5.00 - 6.00
Papaverine natural or synthetic hydrochloride USP cns 1,000 oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Algerian, bgs. lb. .26 - .27
Czech, bgs lb. .26 - .27
Moroccan, bgs. lb. .26 - .27
Spanish, bgs. lb. .34 - .40
Para-anisidin dms. works lb. .88 - —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Para-aminophenol, bbls., frt. alld lb. .98 - —
Parachloroanilin, dms., frt. allds., E. of Miss. lb. .75 - —
Parachlorobenzaldehyde, dms., works. lb. 1.34 - 1.37
Parachloro-orthonitroanilin, dms., frt. allds. lb. .73 - .82
Parachlorophenol, dms. c.l., frt. equald lb. .34½- —
l.c.l., same basis lb. .35½- —
Paracresol, 98%, dms., dlvd lb. .50 - —
Methylether, cns. lb. 2.15 - 2.50
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller lots gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb. lots, lb. .53 - —
Paradichlorobenzene, dms., c.l., works lb. .14½- .15½
l.c.l., same basis lb. .17 - .20
Paraffin, crude, scale, white, 126 AMP, solid, ctns., bbls., c.l., ref'y lb. .07 - —
tanks, same basis lb. .06 - —
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y lb. .0745- —
125-127 ASTM, loose, c.l., ref'y lb. .0745- —
130-132 ASTM, loose, c.l., ref'y. lb. .0755- —
132-134 ASTM, loose, c.l., ref'y. lb. .0770- —
135-137 ASTM, loose, c.l., ref'y. lb. .0805- —
Paraffin prices in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, tech., 94-95%, powd., dms., c.l., N. Y. delivery lb. .16½- —
works lb. .14½- —
10,000 lbs., N. Y. delivery lb. .13½- —
works lb. .12½- —
less than 1,000 lbs., N. Y. delivery lb. .21 - —
works lb. .18½- —
91-92%, flake, fib. dms., c.l., N. Y. delivery lb. .14½- —
works lb. .12½- —
10,000 lbs., N. Y. delivery lb. .16 - —
works lb. .13½- —
1,000 lbs., N. Y. delivery lb. .17 - —
works lb. .14½- —
less than 1,000 lbs., N. Y. delivery lb. .19 - —
works lb. .16½- —
USP X, fib. dms., c.l., dlvd. N.Y.C. lb. .19 - —
10,000 lbs. lb. .19¾- —
1,000 lbs. lb. .20½- —
smaller lots lb. .23 - .36
Paraldehyde, tech., 98%, 55 gals. dms., c.l., works lb. .13½- —
l.c.l., works lb. .14½- —
tanks, works lb. .12½- —
Paranitroanilin dms. c.l., works, frt. alld lb. .45½- —
l.c.l., frt. alld lb. .48½- —
Paranitrochlorobenzene kgs. works. lb. .21 .22
Paranitrophenol kgs. works, frt. equald lb. .46 - —
Paranitrotoluene kgs., frt alld lb. .36 - —
Paraphenetidin dms., works lb. .90 - —
Paraphenylenediamine, redistilled, dms works lb 2.30 2.80
tech., refd., dms., same basis lb. 1.10 - 1.30
Paraphenylphenol, bgs., c.l., works. lb. .37½- —
l.c.l., same basis lb. .42 - —

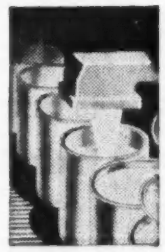
Oil, Turkey Red—Penicillin, Procaine

Paratertiarybutylphenol, bgs., c.l., works lb. .27½- —
l.c.l., same basis lb. .28½- —
Parathion, spray powder, 15%, dealers, tins lb. .72 - —
tech., dms., works lb. 1.50 - —
lb. .52 - —
Paratoluenesulphonamide bbls., works lb .70 —
flake, bbls., frt. allds. lb. .64 - .66
solid, bbls., frt. allds. lb. .61 - —
works lb. .23 - —
Paratoluidin, solid, bbls., frt. allds lb. .61 - —
flake, frt. allds. lb. .64 - .66
Pareira brava root, whole, bgs. lb. .30 - .35
ground, bxs. lb. 40 - 45
powder, bxs. lb. 43 50
Paris green, dealer, distributor, dms., c.l., works, frt. allds. on 66 lbs. or over lb. .35 - .36
l.c.l., same basis lb. .39 .67
Passion flower herb, bls. lb. .26 - .28
Peanut meal, 45%, sacked, mills, ton. 75.00 -78.00
Pectin, citrous, NF, powd. bbls lb. 2.05 - 2.06
tech., powd., bbls. lb. 1.50 - —
Penicillin crystalline potassium, unlabeled vials, 100,000 units vl. .102 - —
200,000 units vl. 15½- —
500,000 units vl. 26 - —
1,000,000 units vl. 52 - —
2,000,000 units vl 1.00 - —
potassium, bulk, sterile, over 25,000,000,000 unit lots 100,000 unit. 04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03¼- —
procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .04 - —

It takes
Good Linseed Oil



...to put Good Paint in your cans



No question about it...

You need *good* linseed oil to make *good* paints.

And when you use National Lead oil, you've got it!

You've got oils that are right as to specified properties... color, viscosity, drying rate, acid number. National Lead's 125 years of oil-making... its modern crushing, extracting, and refining equipment... insure you of that.

Whether it's raw oil, boiled oil, or a processed oil such as bleached, oxidized, acid- or alkali-refined, polymerized, heat-bodied, chemically or mechanically treated, you'll find that National Lead can supply you.

Take a look at the chart below for an idea of some of the many oils supplied by National Lead. And remember we also produce oils to your own specifications.

NATIONAL LEAD COMPANY: *New York 6; Atlanta; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Dallas 2; Philadelphia 25; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6 (National Lead Company of Mass.).*

National Lead Company ...one of the oldest names in OIL

*Reg. U. S. Pat. Off.

NAME AND NUMBER	Viscosity (G-H)	Acid Number	Sapon. Number	Specific Gravity at 15.5° C.	Color (Gardner)	PROCESS	REMARKS	USES
1 Raw	A	2-4	189-195	.931-.935	11-12	Aged and filtered		
2 Pale Boiled	B	4-6	189-195	.937-.941	10-11	Driers added in special processes	Light color Fast drying, durable Similar to #4—more driers	Thinning pastes Thinning pastes, exterior paints, shingle stains and tarpaulin paints
4 Kettle Boiled	B	5-7	189-195	.938-.942	14-15			
5 Kettle Double Boiled	B	5-7	189-195	.939-.944	17-18			
11 Aged Raw	D	3-7	195-200	.948-.952	9-10	Oxidized	Low viscosity Medium viscosity High viscosity Similar to #13 Light color Good thinner miscibility	Printing inks, patent leather, linoleum and oil cloth Flat paints Flat white paints High volatile content paints
12 A. T. Bodied Raw	O	4-6	208-215	.960-.965	8-9			
13 Heavy Bodied Raw	Z2	6-8	215-230	.995-.999	8-10	Oxidized with driers added		
14 Heavy Bodied Boiled	Z2	6-8	215-230	.995-.999	8-10			
16 Bleached Bodied Boiled	Z2	6-8	215-230	.995-.999	6-8	Light color		
17 Miscible Blown	Z2	4-6	215-230	.995-.999	7-8	Specially processed		
21 Stainless Raw	A	2-4	189-195	.931-.935	11-12	Chemically treated	Low staining	Grinding white pastes
23 Grinders'	A	9-12	189-195	.931-.935	7-8	Acid refined	High acid number	Grinding high lead content pastes
25 Refined	A	4-6	189-195	.931-.935	5-7		Medium acid number	Exterior house paints
27 Zinc	A	2-3	189-195	.931-.935	4-5	Chemically treated	Low acid number	High zinc content paints
30 Non-Break C. T.	A	2-4	189-195	.931-.935	11-12	Chemically treated	No break at varnish cooking temperatures	Low cost varnishes
31 Non-Break S. H.	A	2-5	189-195	.931-.935	11-12	Mechanically treated		
33 Diamond V	A	5-9	189-195	.931-.935	9-11	Acid refined	High acid number varnish oil	High drier content varnishes
35 General Purpose	A	2-4	189-195	.931-.935	5-6	Bleached	Light colored varnish oil	Varnishes and paints
37 A. A. Varnish	A	2-3	189-195	.931-.935	5-6	Chemically treated	Medium acid number varnish oil	Light colored varnishes
41 E. W. Varnish	A	1-3	189-195	.931-.935	4-5		Low acid number varnish oil	
43 Perfection	A	0.1-0.6	189-195	.931-.935	4-5	Alkali refined	Very pale and neutral	Highest grade varnishes
45 Bodifast	A	0.1-1.0	189-195	.931-.935	5-6	Alkali refined and specially treated	Fast bodying	For fast kettling operations
47 Superfast	B	2.0-3.0	195-205	.941-.945	6-7		Extremely fast bodying	For extra fast kettling operations
51 Pale Heat Bodied A+	A+	1.5-3	189-195	.931-.935	4	Heat bodied	Pale color, uniform viscosity; may be blended to obtain other viscosities.	Paints, enamels and varnishes
53 Pale Heat Bodied O	O	3-6	189-195	.952-.957	5-6			
55 Pale Heat Bodied Z2	Z2	9-11	189-195	.965-.970	6-7			
57 Pale Heat Bodied Z5	Z5	10-12	189-195	.967-.972	6-8			

Penicillin, Sodium—Phosphate, Defluorinated

Penicillin, sodium, unlabeled, vials, 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .87 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots..100,000 units. .04 - —
Pennyroyal herb, bls. lb. .45 - .50
Pentachlorophenol dms. c.l., works frt. equald. lb. .21 - —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs., min., same basis lb. .21¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .34 - —
l.c.l., works lb. .35 - .37
DI and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane industrial tanks group 3 gal. .12 - .13½
Pepper, black, bags, spot lb. 1.69 - 1.70
Oct. delivery, bgs lb. 1.68 - —
Nov. delivery, bgs lb. 1.66 - —
Dec. delivery, bgs lb. 1.64 - —
Red, Carolina, longs, bgs lb. .30 - .31
Haitian, bgs lb. .28 - .29
Japanese hontakas, bgs lb. .33 - .34
birdseyes, bgs lb. .42 - .44
Louisiana longs, bgs lb. .28 - .29
Mississippi sports, bgs., source. lb. .30 - .31
Nigerian, caps, bgs lb. .23 - .24
Sierra Leone, bgs lb. .46 - .47
Turkish, bgs lb. .25 - .28
White, bgs lb. 2.55 - 2.60
Peppermint leaves, USP, dms., bls. lb. .50 - .53
imported, bls lb. .80 - .90
Pepsin, NF, 1:3,000 bulk, containers lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works lb. .11 - —
dlvd. E lb. .13½- —
l.c.l., works lb. .11¾- —
dlvd. E lb. .14 - —
tanks, works lb. .10 - —
dlvd. E lb. .12½- —
Peru, balsam, dms lb. 2.05 - 2.40
Petrolatum, amber, dms., c.l., refy. lb. .05⅜- .05⅝
l.c.l., dlvd lb. .07½- —
tanks, refy. lb. .04½- —
cream, dms., c.l., refy lb. .06⅜- .07¼
l.c.l., dlvd lb. .09½- —
tanks, refy lb. .05⅝- —
extra, amber, dms., c.l., refy lb. .05⅝- .05⅞
l.c.l., dlvd lb. .07⅝- —
tanks, refy lb. 04⅜- —
USP, white lily, dms., c.l., ref'y. lb. .07¼- .07½
l.c.l., dlvd lb. .09½- —
tanks, refy lb. .06 - —
cream, dms., c.l., refy lb. .06⅜- .07¼
soft, dms., c.l., refy lb. .07½- .07¾
l.c.l., dlvd lb. .09½- —
tanks, refy. lb. .06¼- —
snow, dms., c.l., refy lb. .07¾- .08
l.c.l., dlvd lb. .10 - —
tanks, refy lb. .06½- —
yellow, soft, dms., c.l., refy lb. .05⅜- .05⅞
l.c.l., dlvd lb. .07¼- —
tanks, refy lb. .04⅜- —
Petroleum, crude bulk, at wells, California bbl 1.10 2.99
Illinois bbl. 2.44 2.87
Kentucky bbl 2.42 2.83
Louisiana-Arkansas bbl 2.08 2.90
Petroleum, crude, at wells, Montana. bbl. 1.28 - 2.775
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania, lower field bbl. 3.82 - —
Upper field bbl. 4.25 - —
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.33 - 2.65
Wyoming bbl. 1.28 - 2.575
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.95 - 2.15
light, tanks, refinery bbl. 2.00 - 2.25
eastern, tanks, Albany, N. Y. bbl. 2.80 - —
Baltimore, Md. bbl. 2.48 - —
Boston, Mass. bbl. 2.51 - —
Charleston, S. C. bbl. 2.34 - —
Jacksonville, Fla. bbl. 2.31 - —
N. Y. Harbor bbl. 2.45 - —
Norfolk, Va. bbl. 2.43 - —
Philadelphia, Pa. bbl. 2.48 - —
Portland, Me. bbl. 2.54 - —
Providence, R. I. bbl. 2.47 - —
Savannah, Ga. bbl. 2.34 - —
Diesel, tanks, refinery, California gal. .075 - .115
Pennsylvania gal. .0925- .0975
Furnace, tanks, refinery, Arkansas, No. 2 gal. .085 - —
No. 3 gal. .08125- —
N. Y Harbor, No. 2 gal. .091 - —
Group 3, No. 1 gal. .09 - .09375
No 1, straw gal. .09 - .09375
No. 2, straw gal. .08375- .08750
range gal. .09125- .09250
Pennsylvania western, No. 1 gal. .105 - —
No 2 gal. .1025- .1075
No. 3 gal. .1025- —
Petroleum, lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles. lb. .167 - .207
East coast, tanks, N. J. and N. Y. refinery gal. .18 - —
group 3, benzol-type, tanks, refinery gal. .13125- .13625
toluol-type tanks, refinery. gal. .12125- .12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco gal. .157 - .197
East coast, tanks, N. J. N. Y., gal. .16 - —
group 3, tanks gal. .10875- —
tankwagon, Baltimore gal. .19½- —
Boston gal. .18 - —
Buffalo gal. .18½- —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .16½- —
Pittsburgh gal. .19 - —
Providence gal. .18½- —
Rochester gal. .20 - —
Syracuse gal. .21 - —
Washington, D. C. gal. .19½- —
Naptha, cleaners, East Coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, tanks gal. .11875- —
tankwagon, Newark gal. .16½- —
New York gal. .17 - —
Philadelphia gal. .16 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
high-solvency, 200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East coast gal. .25½- —
25-26° C., m.a.p., tanks, same basis gal. .24 - .30½
270-370 b.r., 78-81° C, a.p., tanks, same basis gal. .29 - —
49° C., m.a.p., tanks, same basis gal. .32 - —
26-27° C., m.a.p., tanks, same basis gal. .24 - .33
300-400 b.r., 28-32°C., m.a.p., tanks, same basis gal. .24 - .30½
340-410 b.r., 36° C., m.a.p., tanks, same basis gal. .24 - —
32° C., m.a.p., tanks, same basis gal. .24 - —
27° C., m.a.p., tanks, same basis gal. .34½- —
350-425 b.r., 32° C., m.a.p., tanks, same basis gal. .30½- .33
V.M.&P., tanks, ref'y., California, 245-360 b.r., Los Angeles. gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, N. J., N. Y., tanks gal. .17 - —
Group 3, tanks gal. .11875- —
tankwagon, Boston gal. .19½- —
Newark gal. .18½- —
New York gal. .18½- —
Philadelphia gal. .18 - —
Pittsburgh gal. .20 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .17 - —
Group 3, tanks gal. .11875- —
tanks gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles gal. .157 - .197
East coast, N. J., N. Y., tanks gal. .16 - —
Group 3, tanks gal. .11375- —
Pennsylvania, western, tanks gal. .14 - —
tankwagon, Boston gal. .13 - —
Newark gal. .17 - —
New York gal. .17 - —
Philadelphia gal. .16½- —
Pittsburgh gal. .19 - —
Syracuse gal. .21 - —
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works lb. .2040- —
l.c.l., works lb. .2065- —
tanks, works lb. .1850- —
60-62% sulphonic content, non-ret., dms., works lb. .1865- —
l.c.l., works lb. .1890- —
tanks, works lb. .1675- —
50-55% sulphonic content, non-ret., dms., works lb. .1590- —
l.c.l., works lb. .1615- —
tanks, works lb. .14 - —
Phenobarbital, USP, dms., 100 lb. lots. lb. 4.50 - 4.70
Phenobarbital-sodium, USP, dms lb. 4.50 - 4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies lb. .18½- —
l.c.l., same basis lb. .19¼- —
tanks same basis lb. .16¾- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19¼- —
tanks, same basis lb. .16¾- —
USP, synthetic, dms., c.l., same basis lb. .19 - .21¼
l.c.l., same basis lb. .19¾- .22
tanks, same basis lb. .17¼- .19½
tar, distilled, dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17¼- —
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted lb. .50 - —
over 2,100 lbs., same basis lb. .54 - —
less than 2,100 lbs., same basis lb. .54 - —
Phenyl acetate, dms., 100 lb. lots, works lb. .50 - —
Isocyanate, dms., works lb. 2.00 - —
Salicylate (see Salol)
Phenylacetaldehyde solution, 50%, bots. lb. 2.40 - 2.70
100%, bots. lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works, lb. lots lb 1.25 - —
smaller dms., works lb. 1.30 - 1.60
Phenylalanine dextro laevo, dms., works lb. 27.00 -37.50
Phenylcarbethoxy pyrazolone, 250 lb. fib. dms., dlvd. E lb. 3.60 - —
less than 250 lb. dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., works lb. .43 - —
l.c.l., works lb. .44 - —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.50 - 1.90
Phenylethylphenyl acetate, bots lb. 3.85 - 4.50
Phenylhydrazin base, CP, bots lb 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb 1.75 - —
CP, bots., works lb 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, com'l, fib. dms., works lb. 7.00 - —
C.P., bots., fib. dms lb. 16.00 17.75
tech., fib., dms., works lb. 10.45 - —
Phosgene, 150-lb. cyls., works lb. .27½- —
Phosphate, defluorinated (see under D)

Now serving your needs as

COLUMBIA-SOUTHERN CHEMICAL CORPORATION

You've known these familiar trademarks . . .

COLUMBIA CHEMICALS

SOUTHERN ALKALI

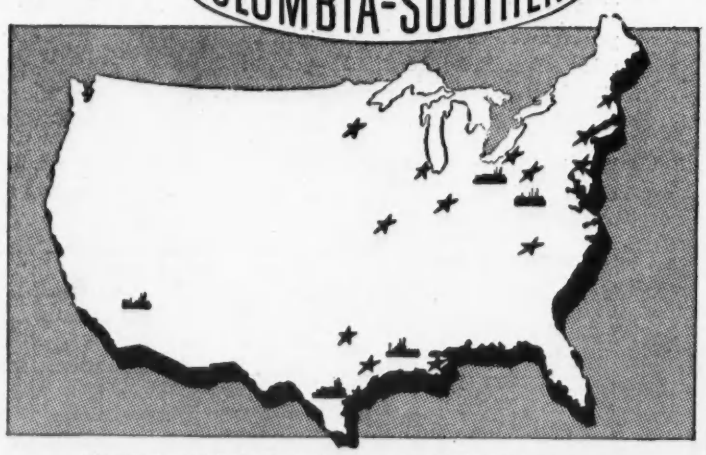
NOW LOOK FOR THIS TRADEMARK

to assure the same high quality in alkalies and related chemicals...

You can rely on the same experienced organization

Whether you've been accustomed to doing business in the past with Columbia Chemical Division of Pittsburgh Plate Glass Company, or with Southern Alkali Corporation, you'll continue to find the same competent personnel —in every department—welcoming the opportunity to serve you as Columbia-Southern . . . through strategically located plants and offices.

Production at all plants is being maintained at the highest possible levels in order to help meet the current requirements of industry. And the same district offices will continue to provide facilities that assure the most careful attention to the needs of your business.



COLUMBIA-SOUTHERN CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY
EXECUTIVE OFFICES:
Fifth at Bellefield, Pittsburgh 13, Pa.

PLANTS: Barberton, Ohio • Bartlett, California • Corpus Christi, Texas • Lake Charles, Louisiana • Natrium, West Virginia

DISTRICT OFFICES: Boston • Charlotte • Chicago • Cincinnati • Cleveland • Dallas • Houston • Minneapolis • New Orleans • New York Philadelphia • Pittsburgh • St. Louis

Phosphate rock, Curacao, Atlantic ports ton. 40.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l. mines, 70%-68%, b.p.l. c.l., same basis long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis long ton. 5.00 - —
75%-74%, b.p.l. c.l., same basis long ton. 6.00 - —
77%-78%, b.p.l. c.l., same basis long ton. 7.00 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton 5.28 - —
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations
Tennessee, brown, run of mine, unground, 27-28% P_2O_5, c.l., mines long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous, cs., works lb. .42 - —
dms., works lb. .39 - .40
Yellow cns lb. .30 - .37
dms c.l lb. .26 - —
Oxychloride, dms., works lb. .14 - .17
Pentasulphide, dms. c.l., works. lb. .12 - —
t.c.l., dms., works lb. .13 - .14
Pentoxide, dms., c.l., works lb. .12 - —
c.l. works lb. 13 - 14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms export lb 33½ .36
Trichloride, dms., c.l., works lb. .14 - —
t.c.l., works lb. .15 - .18
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .19 - .22½
t.c.l. same basis lb. .20 - .23½
tanks, same basis lb. .18½- .22
Bbls. ½c. per pound higher.
Phthalimide bbls. works lb. 1.10 - 1.37
Phthalylsulphacetamide, fiber dms., 100 lbs. kilo 13.20 - —
Pichi leaves, bgs lb. .16 - .17
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF bots oz. 5.75 - 6.22
Nitrate, USP, bots., vials oz. 5.70 - 6.20
Pimento, Guatemala, afloat, bgs. lb. .21 - .21½
Jamaica, bgs lb. .29 - .30
Mexican, bgs lb. .16½- .17
Pinetar retort, dms., extra, c.l., works lb. .0488- —
t.c.l., same basis lb. .0545- —
whse. lb. .0655- —
tanks, works lb. .041 - —
Pinkroot, bls lb. 1.75 - 1.80
Piperidine, 95%, dms., frt. equald. lb. 1.65 1.93
98% dms., same basis lb. 1.72 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Piperazine hexahydrate, bots kilo 9.00 -10.00
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms. mc., c.l., t.c.l., works 100 lbs. 10.09 -10.54
Coaltar, 150° F. m.p. bbls., c.l., works ton. 37.00 - —
t.c.l. works ton. 37.00 -39.00
Cottonseed, dms., works lb. .07½- .08
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. lb. .06½- .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., t.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05½- .06
Tall, dms., works lb. .05½- .06
Plaster of Paris see Gypsum)
Platinum metal works oz. 90.00 -93.00
Pleurisy root, bls lb. .38 40
Podophyllum resin, NF, dms lb. 14.70 -15.45
Pokeroot, bls lb. .18 - .20
Polyoxyethylene sorbitan monostearate dms. 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
tristearate, dms. 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .34½- .36½
20,000-29,999 lbs., same basis lb. .35 - .37
10,000-19,999 lbs., same basis lb. .35½- .38
5,000-9,999 lbs., same basis. lb. .37 - .41½
standard, bgs., c.l., l.c.l lb. .34½- .36½
crystals, heat-resistant, bgs., c.l., l.c.l. lb. .32 .35
standard, bgs., c.l., l.c.l lb. .30½- .32½
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .60 .63
Poppy flowers, bgs lb. .65 - .90
Seed, Argentine, bgs lb. .14 - .14¼
Czech, bgs lb. .15 - .15½
Dutch, bgs. lb. .16½- .16¾
Polish, bgs lb. .15 - .15½
Turkish, bgs lb. .14 - .14¼
Potash, caustic, tow-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 10.00 - —
t.c.l., works 100 lbs. 10.75 - —
liquid, 45%, dms., c.l., works 100 lbs. 4.625 - —
t.c.l. works 100 lbs. 5.125 - —
tanks, works 100 lbs. 4.30 - —
solid, 90% dms., c.l., works, 100 lbs. 9.40 - —
t.c.l. works 100 lbs. 10.15 - —
regular, flake 88-92%, dms., c.l., works. 100 lbs. 8.50 - —
t.c.l. works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.873 - —
t.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.53 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
t.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate, dms lb. .08 - —
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .14 - —
t.c.l., same basis lb. .14¼- .15
Potassium bichromate in drums ¾c. higher.
Bitartrate (see Cream of tartar)
Borate, gran., bgs., c.l., works, ton. 190.00 - —
ton lots, ex whse ton. 253.00 - —
less ton lots, ex whse ton. 258.00 - —
Potassium borate in bbls. $24.50 per ton higher.
Bromate, bbls. 1,000 lbs. or more, lb. .50 - .52
25-200-lb lots lb. .55 - .57
Bromide USP cryst. gran., bbls., kgs lb. .34 - .37
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
t.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works—100 lbs. 6.75 - —
t.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms. lb. .16½- .18
powd., bbls., dms. lb. .21 - .23

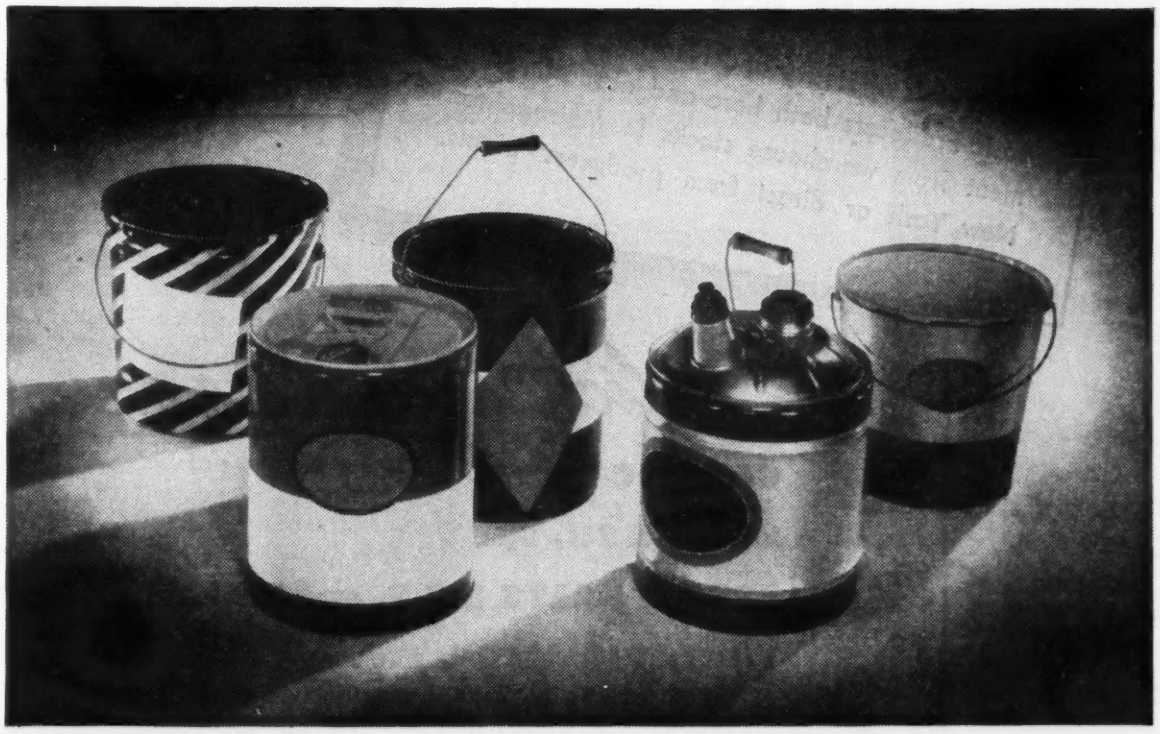
Potassium chlorate, cryst., dms., c.l., works lb. .10 - —
t.c.l., works lb. .10¾- .11½
powd., dms., c.l., works lb. .10¼- —
t.c.l., works lb. .10¾- .11¾
export dms. 1 to 10 tons, works lb. .13 - .13¾
NF gran dms lb 31 35
Chloride, USP, cryst., dms lb. .26 .27
gran., dms lb. .20 .22
powd. dms lb. .29 .32
Chromate, tech., bgs lb. .32 - .36
Citrate, USP, gran., dms lb. .37½- .38½
powder dms lb 40½ .41½
Cyanide, dms., works lb. .52½- .55
Fluoborate, fib. dms., c.l., works. lb. .26 - —
t.c.l., works lb. .27 - —
Fluoride dms works lb 24 - —
Gluconate, dms. lb. 75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb. 2.20 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms lb. .31½- .36
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots or less, fib dms lb. 1.00 1.03
Iodide, dms lb. 2.15 2.20
Manure salt, 22% K_2O bulk, mines unit-ton 21 — —
Metabisulphite gran. bbls lb. 21 - —
powd. bbls lb 25 - —
Muriate dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .42 - —
Trona, Cal unit-ton .50½- —
50-51 K_2O, paper bgs., Carlsbad, N. M ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified dms lb 42 44
Perchlorate, dms., c.l., works lb. .14 - —
t.c.l., works lb. .14½- .15¼

Potassium permanganate, tech., dms., works lb. .22½- .23½
USP, dms. works lb. .24¾- .25¼
Persulphate, dms., c.l., works lb. .18 - .19
t.c.l., works lb. .20 - .22
Phosphate, tetrabasic, bbls., works, lb. .13 13¼
Prussiate, red, kgs lb. .60 - .63
yellow, dms. ton lots lb. .22½- —
smaller quantities lb. .23 - —
kegs lb. .28 - —
Silicate, glass, bgs., c.l., works 100 lbs. 14.70 - —
t.c.l. 100 lbs. 15.20 - —
solution, 29° Be., ret. dms., c.l., works 100 lbs. 4.50 - 4.55
t.c.l. 5 dms. or more, works 100 lbs. 5.25 6.30
30° Be., ret. dms., c.l., works. 100 lbs. 4.70 - —
t.c.l., works 100 lbs 5.20 - —
32.5° Be., ret. dms., c.l. works, 100 lbs. 4.85 - —
t.c.l. works 100 lbs 5.35 - —
40° Be., ret. dms., c.l., works, 100 lbs. 5.35 - —
t.c.l., works 100 lbs 5.85 - —
40.5° Be., ret. dms., c.l., works. 100 lbs. 6.00 6.75
t.c.l., 5 dms. or more, works 100 lbs. 6.75 - 7.50
1-4 dms., works 100 lbs. 7.25 - 7.90
Stannate, dms., frt. alld. E lb. .666 - .722
Silicofluoride, bbls., works lb. .10 - —
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton. 36.25- —
NF VII, cryst., dms lb. .31 - .33
gran dms lb 18½- —
powder, dms. lb. .19 - —

Potassium sulphocyanide, cryst., NF (see Potassium, thiocyanate).
Thiocyanate, NF, cryst., dms lb. .82 1.08
tech., works lb. .77 - .79
Titanate, cans., c.l., works lb. .12½- —
5 tons, works lb. .12¾- —
1 ton or less, works lb. .13 - —
Potassium-magnesium sulphate bulk works basis 40% K_2SO_4, 18% MgO ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt)
Potassium-titanium fluoride, fib. dms., works lb. .35 - .36
Potassium-titanium oxalate, bbls., cs., lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
t.c.l., works lb. .52½- .55
Pregnenolone, bots. gm. 1.50 - 1.75
Acetate, bots. gm. 1.25 - 1.50
Prickly ash bark, bls lb. .25 - .28
Berries, bgs. lb. .70 - .75
Princes pine herb bls lb. .50 .55
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.00
spot lb. 4.00 - 4.50
Progesterone USP, 100 gms. bots gm. 2.50 - 3.30
Propane commercial grade tanks group 3 gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —
Propyl aldehyde (see Propionaldehyde)
Gallate, dms. ton lots to 100 lb. lots, works lb 3.90 4.40
Parahydroxybenzoate USP dms lb 2.30 2.40

CONTINENTAL STEEL CONTAINERS

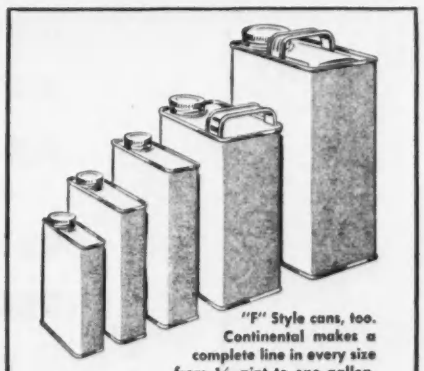
are built to take it!



Continental steel containers are not only good looking, but are built to take it. They protect your products en route, take rough handling in stride and arrive at their destination bright, tight, and beaming sales appeal.

Here's another feature: Continental's master lithographers have the skill and experience it takes to make your trademark and sales message the center of attraction—and by faithful reproduction of design, make steel containers part of your package "family."

Give your products the protection and sales appeal of a Continental steel container. Call on your Continental representative today. He'll be glad to give you all the facts you need.



"F" Style cans, too. Continental makes a complete line in every size from ½ pint to one gallon.

You can't beat Continental as a dependable source of supply!

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CONTINENTAL CAN BUILDING

100 East 42nd Street New York 17, N. Y.

Eastern Division: 100 East 42nd Street, New York 17 • Central Division: 135 So. La Salle Street, Chicago 3 • Pacific Division: Russ Building, San Francisco 4

Propylene Dichloride—Ryania

Propylene dichloride, dms., c.l.	lb	.08½-	.09½
l.c.l.	lb.	.09½-	.10½
tanks	lb.	.07 -	.08
Oxide, dms., c.l., frt. alld. E	lb	.19½-	.20½
l.c.l. frt. alld., E	lb.	.20½-	.21½
tanks, frt. alld., E	lb.	.17½-	.18½
Propyleneglycol, USP, dms., c.l., frt. alld., E	lb.	.20¼-	.21¼
l.c.l., same basis	lb.	.21¼-	.22¼
tanks, same basis	lb.	.18½-	.19½
tech., dms., c.l., frt. alld. E	lb.	.19¼-	.21¼
l.c.l., same basis	lb.	.20¼-	.22¼
tanks, same basis	lb.	.17½-	.18½
Methylether, dms., c.l., frt. equald.	lb.	.19¾-	—
l.c.l. same basis	lb.	.20¾-	—
tanks, same basis	lb.	.18¼-	—
Propylthiouracil bots. 50 kilos or more	kilo	55 00	—
smaller lots	kilo	55.10	-55.30
Psyllium seed, black, bgs	lb.	.27	- .30
blonde, bgs	lb.	.18	- .20
husks, bgs	lb.	.55	- .60
Pulsatilla nerb, bls	lb.	.40	- .50
Pumice, dom., grd. coarse, 0½, 1, 1½ 2, 3 bgs. ton lots.	lb.	.03⅝-	.04
smaller lots	lb.	.03⅞-	.04¼
Italian, silk-screen, coarse, bgs., ton lots	lb.	.05½-	—
fine, bgs., ton lots	lb	.04	- —
sun dried, coarse, bgs., ton lots	lb	.02½-	—
fine, bgs., ton tots	lb.	.02½-	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	.18	- .26
Purple lake (see Red).			
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.50	- —
powder, 1.3% pyrethrins, bbls., works	lb.	.71½-	—
liquid (20 to 1) basis 2 grams pyrethrins per 100 cs. odorless basis, bbls., works	gal.	14.00	- —
(30 to 1), basis 3 grams pyrethrins per 100 cc., odorless base, bbls., works	gal.	20.80	- —
oleoresin, dewaxed, 20%, for aerosol bombs, dms., works	lb.	15.50	-16.00
Pyrethrin, synthetic (see Allethrin)			
Pyridin, denaturing, dms., c.l., works, and frt. equald	gal.	2.67	- —
l.c.l., same basis	gal.	2.70	- —
refd., 2°, non-ret. dms., c.l., same basis	lb.	.89⅛-	1.04⅛
l.c.l., same basis	lb.	.90	- 1.05
Pyridoxine hydrochloride, 100-gram bots gram		.55	- —
Pyrites	long-ton.	No prices.	
Pyrocatechol (see Catechol)			
Pyrogallol, NF	lb.	3.25	- 3.43
Pyrophyllite standard, 200 mesh, Bulk, c.l., mines	ton.	12.50	- —
230 mesh, bulk, c.l., mines.	ton.	13.50	- —
325 mesh, bulk, c.l., mines.	ton.	16.75	- —
No. 3, 200 mesh, bulk, c.l., mines.	ton.	11.00	- —
insecticide grade, 200 mesh, bgs., c.l., mines	ton.	13.50	-14.00
rubber grade, 140 mesh, bgs., c.l., mines	ton.	13.50	- —

Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots	lb.	9.54	- —
Scrap, opaque, amber, cs., works.	lb.	.22	- —
black, cs., works	lb.	.16	- —
mixed, mottled, cs., works	lb.	.15	- —
white, china, ivory, cs., works.	lb.	.17	- —
dense, cs., works	lb.	.17	- —
translucent, pastels, cs., works.	lb.	.18	- —
transparent, colorless, cs., works.	lb.	.23	- —
colors, cs., works	lb.	.17	- —
shavings, opaque, amber, cs., works	lb.	.18	- —
mixed, colors, cs., works	lb.	.17	- —

Q

Quassia chips, bls	lb.	.08	- .09
Quebracho extract, clarified, grd., 70% tannin bgs. c.l.,	lb.	.16½-	.16¾
liquid, 35% tannin, bbls., works. tanks, same basis	lb.	.08¼-	—
solid, clarif., 64% tannin, bgs., c.l., ex dock, duty extra.	lb.	.12⅞-	—
ordinary, 63% tannin, bgs., c.l., same basis	lb.	.11 31/64	

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs	lb.	.20	- .25
Quercitron crystals, No. 1, bbls., l.c.l	lb.	.40	- —
Extract, No. 1, liquid, bbls., l.c.l.,	lb.	.19	- —
Quicksilver, flasks (76 lbs.) net	flask.	220.00	-223.00
Quince seed, bgs	lb	.90	1.50
Quinidine, NF, V. cryst., cns., 100-oz. lots	oz.	1.90	- —
powd., precip., cns., 100-oz. lots	oz.	1.85	- —
Sulphate, USP, cns., 100-oz. lots	oz.	1.25	- —
Quinine, NF cns., 100 ozs	oz.	.70	- —
Bisulphate, USP, cns., 100 ozs.	oz.	.51	- —
Dihydrochloride, USP, cns	oz.	.70	- —
Ethylcarbonate, NF, cns., 100 ozs.	oz.	.75	- —
Hydrobromide, NF, cns. 50-oz. cns.	oz.	.63	- —
Hydrochloride, USP, cns., 100 ozs.	oz.	.63	- —
Phosphate, NF, cns., 100 ozs	oz.	.76	- —
Salicylate, NF, cans., 100 ozs.	oz.	.66	- —
Sulphate, USP cns. 100 ozs	oz.	.56½-	—
Quinine and Urea hydrochloride, NF, cans.	oz.	.68	- —
Quinolin, ret. dms. c.l., frt. equald.	lb.	.60¾-	—
l.c.l., same basis	lb.	.61¼-	—
tanks, same basis	lb.	.60	- —

R

R salt, paste, dry basis dms., frt. alld	lb.	.87	- —
Raspberries, dried, bbls	lb.	1.25	- 1.30
Red, BON, arylid, deep shades, bbls.	lb.	3.60	- —
light, medium shades, bbls.	lb.	2.75	- —
maroons, pure, bbls	lb.	1.75	- —
resinated, bbls	lb.	1.50	- —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies	lb.	4.60	- —
light shade, bbls., same basis	lb.	4.20	- —
medium shade, bbls., same basis	lb.	4.50	- —
medium-light shade, bbls., same basis	lb.	4.30	- —
orange shade, bbls., same basis	lb.	3.80	- —
lithopone, deep shade, bbls., same basis	lb.	1.85	- 1.90
light shade, bbls., same basis.	lb.	1.75	- —
maroon shade, bbls., same basis	lb.	2.00	- 2.10
medium shade, bbls., same basis	lb.	1.85	- —
medium-light shade, bbls., same basis	lb.	1.80	- —
orange-red shade, bbls., same basis	lb.	1.70	- —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.

Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).

Eosin toner, bbls., works	lb.	1.60	- —
Indian, dom., pure, bgs., Bethlehem Easton E St. Louis, N. Y	lb.	.12½-	—
Iron oxide, synth., bgs	lb.	.11¾-	.12
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa. Copley O.: Easton Pa.; E St. Louis	lb.	.05¼	.09¼
special, high color, all shades, bgs	lb.	.60	- —
Lake C, toner, alizarin, bbls., works	lb.	1.10	- 1.20
Lithol toner bbls., works	lb.	.85	- —
rubin toner, resinated, bbls., works	lb.	1.40	- —
pure, bbls., works	lb.	1.50	- —
Virginia, bbls., works	lb.	1.40	- —
Maroon, toner, BON arylid, dlvd	lb.	3.60	- —
Cadmium, deep, bbls., works	lb.	1.20	- —
regular, bbls., works	lb.	1.10	- —
MNPI toner, kgs., works	lb.	3.60	- —

Maroons in smaller pkgs 5c. per lb. higher.

Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	4.22	- —
smaller lots, works	lb.	4.24	- —
Metallic, bbls., works	lb.	.02½-	.02¾
Oxide (see Red iron oxide).			
Persian, gull, bgs works	lb.	.06¾	.07
Para toner, bbls	lb.	.85	- —
Chlorinated, kegs	lb.	1.10	- 1.15
Phloxin toner (see Red, eosin toner).			
Rhodamine, molybdated, PMA, kegs	lb.	4.90	- —
tungstated, PTMA, works, kegs.	lb.	5.85	- —
Spanish oxide, bbls., c.l., ex dock	lb.	.03¾-	—
l.c.l., ex dock	lb.	.06	—
ex whse., New York	lb	.06½	—
Toluidin toner, deep shades, kgs., works	lb.	1.45	- 1.60
light shades, kegs, works	lb.	1.45	- —
Turkey, bbls., works	lb.	.14½-	—
Tuscan bbls. frt equald	lb.	.24½-	.25
Venetian 15% bgs., works	lb.	.0350-	.0375
20% bgs., works	lb.	.04	- —
25% bgs., works	lb.	.0450-	—
30% bgs., works	lb.	.0475-	—
35% bgs., works	lb.	.05	- —
40% bgs. works	lb.	.0525-	—
Vermilion, Amer., bbls	lb.	.32	- —
Quicksilver, ctns	lb.	3.90	- —
Watchung bbls	lb	1.95	- —
Red KB base (see Chloro (4)-2-toluidine).			
Red precipitate, NF, powd., 6lb. dms	lb.	4.37	- 4.39
Red saunders wood, powd. bbls	lb	.50	- —
Rennin NF powder	lb	6.25	- —
Resorcinol, resin grade, dms., c.l., works	lb.	.81	- —
l.c.l works	lb	.82	- —
tech., dms., c.l., works	lb.	.84	- —
l.c.l works	lb	.85	- —
USP cryst., dms., works	lb	2.75	- —
powd., dms., works	lb	2.95	- —
Resorcinol, monoacetate, NF, dms.,	lb.	3.25	- 3.45
Rhatany root, bgs	lb	.15	- .16
Rhodinol, 5-lb. cans	lb.	48.00	-56.00
Rhubarb root, China, whole, cs	lb.	.70	- 1.25
powd., bbls.	lb.	.75	- 1.50
India, whole, bgs	lb.	.30	- .35
powdered, bbls	lb.	.35	- .40
Riboflavin USP bots. dlvd	kilo	125.00	—
Readily soluble bots. dlvd	kilo	125 00	—
Rice bran concentrate, dms., Cedartown, Ga	lb.	.79	- —
Rochelle salt, USP, gran., powd., dms. 5,000 lbs	lb.	.33½	—
smaller lots	lb.	.34	.39
Rose flowers, pale, bls	lb	.35	.40
Rosemary flowers, bls	lb	1.55	1.65
Leaves, French, bls	lb.	.12	- .12½
Portuguese, bls	lb.	.07	- .07½
Spanish, bls	lb.	.08	- .08½
Rosin gum (see Naval Stores, Protective Coatings market)			
Wood, B, dms., c.l., works	100 lbs.	4.00	- —
FF, dms., c.l., works	100 lbs.	7.30	- —
G, H, I, dms., c.l., works.	100 lbs.	8.91	- —
K, dms., c.l., works	100 lbs.	8.91	- —
M, dms., c.l., works	100 lbs.	8.91	- —
N, dms., c.l., works	100 lbs.	8.96	- —
WG, dms., c.l., works	100 lbs.	9.01	- —
WW, dms., c.l., works	100 lbs.	9.06	- —
X, dms., c.l., works	100 lbs.	9.16	- —
Rotenone CP bbls. works	lb	20 00	—
tech. bbls. works	lb	16.50	—
Rottenstone, bgs., c.l., mines	ton.	40.00	—
l.c.l., mines	ton.	48.00	—
Rue herb, bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.03	.04
smaller lots, fib. dms	gram.	.03½	.04
Ryania, 100% powd., bgs., works	lb.	.30	—

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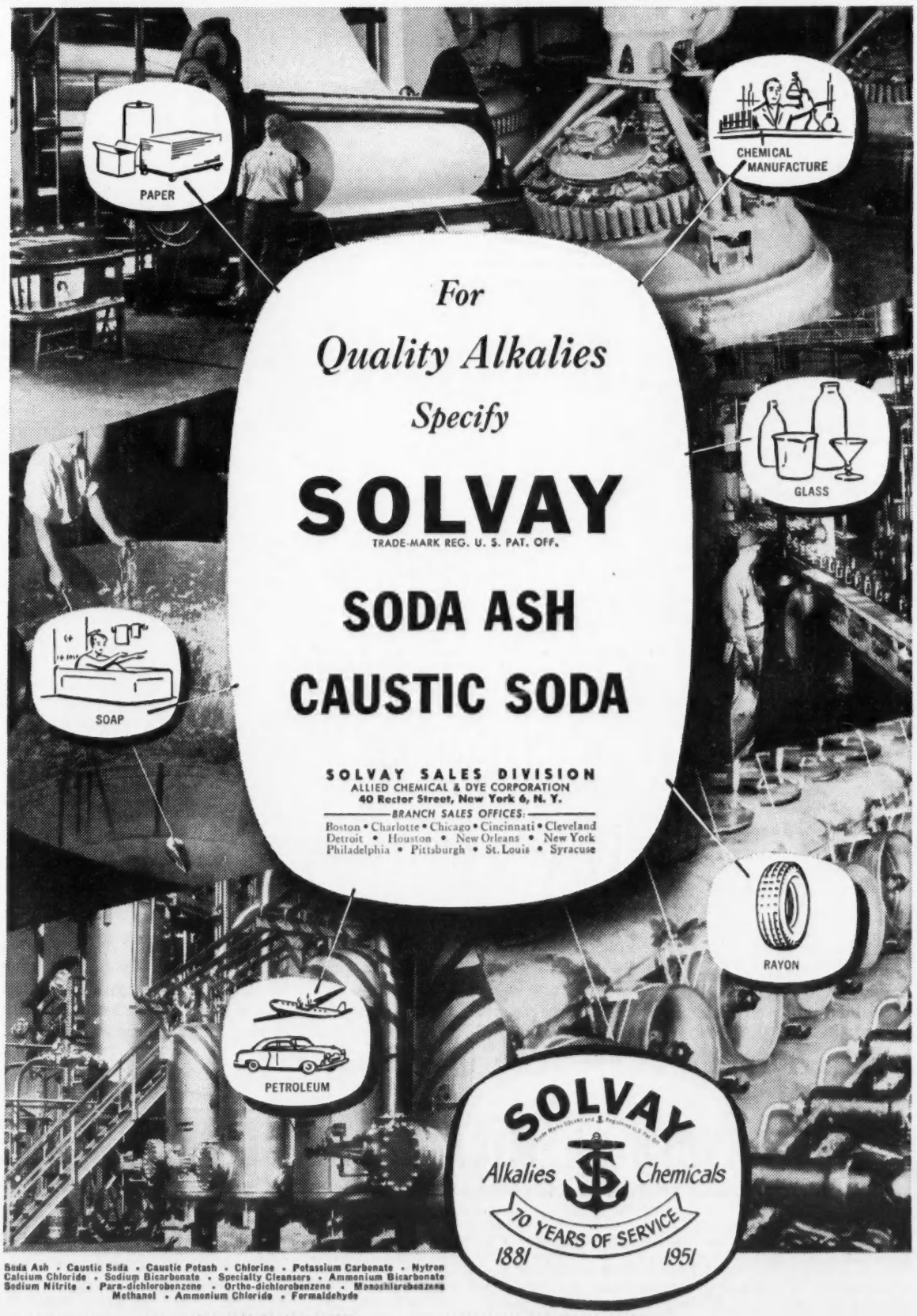
S

Sabadilla seed, powd., bbls.	lb.	.73	—
activated ground with lime, bbls	lb.	.45	.50
Saccharin, USP gran., soluble, dms., 1,000-lb. lots	lb.	1.60	—
smaller lots	lb.	1.70	1.80
powd., soluble, insoluble, dms., 1,000-lb. lots	lb.	1.65	—
smaller lots	lb.	1.75	1.95
Safflower, Egyptian, bls.	lb	.65	.70
Saffron, Mexican, bls.	lb.	.80	.90
Spanish, USP, tins	lb.	23.50	24.00
Sage, Cretan, bls.	lb.	.14	.14½
Cyprus, bls.	lb.	.09	.11
Dalmatian, bls.	lb.	.67	.68
Greek, fancy bls.	lb.	No stocks.	
Officinalis, English, bls.	lb.	.75	.80
European, bls.	lb.	.35	.45
Spanish, bls.	lb.	.12	.12½
Syrian, bls.	lb.	.14	.14½
Sago flour, refined, bgs.	lb.	.09½	.09¾
unrefined, bgs.	lb.	.07¾	.08
Sal soda (see Soda sal).			
Saligenin, ctns.	lb	14 00	25.00
Salol, NF, gran., bbls., kgs.	lb.	1.05	—
fib. dms.	lb.	1.07	1.08
powdered salol, 10c. higher.			
Salt, rock, burlap bgs., c.l., works, 100 lbs.		1.09	—
t.c.l. 100 lbs.		1.30	—
paper bgs., c.l. 100 lbs.		.94	—
l.c.l. 100 lbs.		1.15	—
Table, vacuum, common, fine, bgs., c.l., works 100 lbs.		1.09	—
t.c.l., works 100 lbs.		1.20	—
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis	ton.	17.00	—
Saltpeter, cryst., bbls., 10 tons, 100 lbs.		14.15	—
smaller lots 100 lbs.		14.40	14.55
gran., bbls., 20 tons 100 lbs.		9.50	—
smaller lots 100 lbs.		10.75	11.25
powd., bbls., 20 tons 100 lbs.		10.50	—
smaller lots 100 lbs.		11 75	12.25
NF, gran. dms	lb	15¾	17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.			
Sandalwood chips, East Indies, bgs.,	lb.	.65	.66
powd. dms	lb	75	76
Sanguinarine nitrate bots	oz	4.75	5.50
Santonin, NF., dms., cryst., powd., ctns	lb.	No prices.	
imported, cryst., powd., ctns.	kilo.	No prices.	
Saponin, No. 1, ctns.	lb.	2.75	—
Sarsaparilla root, dom., bls.	lb.	.45	.50
Honduras, bls.	lb.	.38	.40
Mexican, bls.	lb.	.25	.26
Sassafras bark, ord., bls.	lb.	.35	.40
select, bls.	lb.	.50	.55
Savory, French, bls.	lb.	11	.12
Spanish, French, bls.	lb.	.08	.09
Saw palmetto berries, bgs.	lb.	.30	.35
Scammony resin, lump, ctns.	lb	1.95	2.20
powd. ctns.	lb	2.05	2.30
Root, bgs.	lb.	.10	.14
Scopolamine hydrobromide, bots.	oz.	16.00	17.60
Hydrochloride USP, bots.	oz.	84.00	—
Seidlitz mixture, bbls., 5,000 lbs.	lb.	.30½	—
smaller lots	lb.	.31	.33
Selenium, powd., dms., dlvd	lb	3.25	—
Senega root, bls.	lb.	2.10	2.20
Senna leaf, Alex., half-leaf, bls	lb.	.18	.20
sifting, bgs.	lb.	.14	.16
Tinnevelly, No. 1, bls.	lb.	.21	.22
No. 2, bls.	lb.	.19	.21
No. 3, bls.	lb.	.16	.19
powdered, bls., dxs.	lb.	.20	.24
Pods, bls.	lb.	.30	.35
Serpentaria root, bls.	lb.	5.00	Nom.
Sesame seed, Indian, white, hulled, bgs	lb.	.23½	.24
natural, bgs.	lb.	.18	.18½
Nicaragua, hulled, bgs.	lb.	.25	.30
natural, bgs.	lb.	.18	.18½
Turkish, bgs.	lb.	.15	.15½
Shaeffer's salt, bgs., frt. alld	lb.	.80	—
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.56	—
bbls., 1,500-lb. lots	lb.	.57	—
kgs., 1,500-lb. lots	lb.	.59	—
refined, bgs., 1,500-lb. lots	lb.	.66	—
bbls., 1,500-lb. lots	lb.	.67	—
kgs., 1,500-lb. lots	lb.	.69	—
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.			
Lemon, No. 1, bgs.	lb.	.57	.58
No. 2, bgs.	lb.	.55	.56
Superfine, bgs., 10 bgs.	lb.	.53	.54
TN, bgs., 10 bgs.	lb.	.51	.52
Shellac in 1 to 9 bgs., 1c. more.			
Silica, amorph, dry-grd., 325 mesh, bgs., c.l., lll., works	ton.	25.00	—
t.c.l., works	ton.	30.00	40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00	—
t.c.l., works	ton.	25.00	30.00
140 mesh, bgs., c.l., works	ton.	15.00	—
t.c.l., works	ton.	20.00	—
Tetrachloride, tech., dms., c.l., works	lb.	.16	—
t.c.l., works	lb.	.20	.28½
Silver bullion, ingots, cs.	lb.	.88	—
Cyanide, fib. dms., 2,500-oz. lots.	oz.	.79½	—
1,000-oz. lots	oz.	.79⅝	—
500-oz. lots	oz.	.79⅝	—
100-oz. lots	oz.	.79⅞	—
nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.56¾	—
1,000-oz. lots	oz.	.57⅜	—
500 oz. lots	oz.	.58¾	—
250-oz. lots	oz.	.58⅞	—
USP granular silver nitrate, 4c. per oz. higher.			
Proteinate, mild USP, bots., dms., 1,000-oz. lots	oz.	1.05	—
strong, NF bots., dms., 1,000-oz. lots	oz.	1.00	—
Simaruba bark, bls.	lb.	.85	Nom.
Skullcap herb, Eastern, bls.	lb.	.45	.65
Western, bls.	lb.	.30	.35
Skunk cabbage root, bls.	lb	.35	40
Slate flour, bgs., c.l., works	ton.	11.00	12.00
l.c.l., ex whse.	ton.	20.00	60.00
Sloe berries, bgs.	lb.	.24	.28
Smalt, black, ctns.	lb.	.15	—
Blue, ctns.	lb.	.18	—
Snakeroot, Canada, bls.	lb.	.75	.80
Soapbark, bls.	lb.	.27	.31
crushed, bls. bbls.	lb.	.32	.35
powd., bbls.	lb.	.35	.37
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs.		1.60	—
t.c.l., stock points 100 lbs.		2.85	4.62
bbls., c.l., works 100 lbs.		2.15	—
l.c.l., stock points 100 lbs.		3.35	4.12
bulk, c.l., works 100 lbs.		1.30	—
light, 58%, paper bgs., c.l., works 100 lbs.		1.50	—
t.c.l., stock points 100 lbs.		2.75	4.52
bbls., c.l., works 100 lbs.		2.05	—
l.c.l., stock points 100 lbs.		3.25	5.02
bulk, c.l., works 100 lbs.		1.20	—
Soda caustic, flake, powd., 76%, c.l., works 100 lbs.		3.75	—
t.c.l., stock points 100 lbs.		4.95	6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs.		2.55	—
rayon-type, tanks, works, dry basis 100 lbs.		2.65	—
70%, sellers tanks, works, dry basis 100 lbs.		2.65	—
rayon-type, tanks, works, dry basis 100 lbs.		2.75	—
Soda caustic, solid, 76%, dms., c.l., works 100 lbs.		3.35	—
t.c.l., stock points 100 lbs.		4.55	5.05
Sal. bgs., c.l., works 100 lbs.		1.40	—
t.c.l., works 100 lbs.		1.70	—
Soda-lime, USP dms.	lb.	.23	.25
Sodium acetate, anhyd., dms., works.	lb.	.11½	.13
NF, gran., dms., works	lb.	.16	—
Alginate, refined, water soluble, bbls., works	lb.	.83	—
semi-refined, bbls., works	lb.	.54	—
NF, white, powd., dms., works, ton lots	lb.	1.40	—
smaller lots	lb.	1.55	1.65
Aluminate, bgs., 20,000 lbs. or more 100 lbs.		8.50	—
smaller lots 100 lbs.		9.50	—
Antimoniate, bbls., c.l., dlvd, E	lb.	.40½	—
t.c.l., dlvd	lb.	.41½	—
Arsenate, dealers, dms., c.l., works.	lb.	.12½	—
Arsenite, dealers, dms., works	lb.	.13½	.15¼
solution, dms., works	gal.	.70	1.10
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.35	.39
USP, bbls., dms., 100 lbs. or more	lb.	.42	.46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs.		2.50	—
t.c.l., works 100 lbs.		3.15	—
powd., bgs., c.l., works 100 lbs.		2.10	—
t.c.l., works 100 lbs.		2.75	—
Bichromate, bgs., c.l., works	lb.	.10½	—
t.c.l., same basis	lb.	.10¾	.11½
Bisulphite, powd., bgs., c.l., works. 100 lbs.		3.90	—
Bifluoride, bbls., c.l., works, frt. equald	lb.	.13½	—
t.c.l., same basis	lb.	.14½	—

Sabadilla Seed Powder—Sodium Hyposulphite

Sodium bisulphate, bulk, c.l., works. 100 lbs.		2.00	—
dms., c.l., works 100 lbs.		2.65	3.85
t.c.l., works 100 lbs.		3.05	3.65
Bisulphite, powd., bgs., c.l., works. 100 lbs.		3.90	—
t.c.l., works 100 lbs.		4.15	—
solut. 35° bbls., c.l., works 100 lbs.		1.40	—
t.c.l., works 100 lbs.		1.80	4.30
Borate (see Borax).			
Bromide, USP bbls., kgs. works.	lb.	.34	.35
Cacodylate, NF, jars, dms.	lb.	7.00	9.00
Carbonate, anhydrous (see Soda ash).			
crystalline, decahydrated (see Soda, sal).			
monohydrated, bgs., c.l., works. 100 lbs.		2.65	—
t.c.l., works 100 lbs.		3.05	—
Chlorate, cryst., dms., c.l., works.	lb.	.08½	—
t.c.l., works	lb.	.09½	.11¾
Chloride, tech. (see Salt).			
USP, dms	lb.	.21	—
Chlorite, tech., dms., works	lb.	.75	—
Chloroacetate, tech., dms., c.l., works	lb.	.24	—
t.c.l., dms., works	lb.	.25	.26
Chromate, dms., c.l., works	lb.	.12¼	—
t.c.l., same basis	lb.	.12½	.13¼
Citrate, anhyd., dms.	lb.	.60	.65
NF VIII, dms	lb.	.23	.28
USP XIV gran., dms	lb.	.28	.32
Sodium citrate USP powd. prices ½c. higher.			
Cyanate, dms., 1,000 lbs., works.	lb.	.85	1.10
smaller lots, works	lb.	1.00	1.25
Cyanide, 96-98%, dms.	lb.	.17	.19
Sodium diacetate, 33-35% acidity, bbls., works	lb.	.13½	.15
anhydrous, dms., works.	lb.	.16	.17½
Fluoride, white, 90%, bbls., c.l., works	lb.	.10¾	—
t.c.l., works	lb.	.11	.11¼
95%, bbls c.l., works	lb.	.11	—
l.c.l works	lb.	.11¼	—
Fluoracetate monobasic, 8-oz. tins, 50 to a case, works	lb.	12.00	—
2 to 25 tins to case, works	lb	12 00	16 50
1 oz tins, 16 to 64 to case works	lb	16 50	21 00
tribasic ton lots	lb	11 00	—
Formate, bgs., c.l., dlvd 100 lbs.		7.10	—
t.c.l. 100 lbs.		8.15	—
Gentisate, 100 lb. fib. dms	lb.	8.50	—
Gluconate, dms	lb.	.83	.85
Glutamate, monobasic, dms., c.l., dlvd	lb.	1.60	—
smaller lots, dlvd	lb.	1.61	1.63
Glycerophosphate, NF, cryst., bbls.	lb.	1.80	1.95
powder, bbls	lb	1.85	2.00
solution 75%, cbys	lb	1.06	1.21
Hydride, dms, works	lb	2.00	3.00
Hydrosulphide (see Sodium sulphydrate).			
Hydrosulphite, dms., c.l., frt. alld	lb.	.24½	—
t.c.l., frt. alld	lb.	.25	—
Hydroxide, tech. (see Soda caustic).			
USP, pellets, 100 lb. dms., 1 to 100 dms	lb.	.21½	.26
Hypophosphite, NF, ton lots or less, dms.	lb.	.95	.98
Hyposulphite, tech., bgs., works. 100 lbs.		4.00	—
t.c.l., same basis 100 lbs		4.40	6.90
photo grade, bgs., c.l., works 100 lbs.		4.00	4.25
t.c.l., same basis 100 lbs		4.40	7.15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Methanol • Ammonium Chloride • Formaldehyde

Sodium Hyposulphate—Stainless Steel Flake

Sodium hyposulphate, pea crystals, bgs. 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 5.00 - —
Sodium, hyposulphite crystals in bbls 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms. lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms., cbys., works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .25 - —
Metaborate octahydrate, gran., bgs., c.l., works ton. 78.50 - —
l.c.l., ex whse ton. 124.50 -129.50
tetrahydrate, c.l., bbls., works, ton. 199.50 - —
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms., works lb. .17 - .19
Metanilate, bbls, frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 6.10 - —
dms., c.l 100 lbs. 4.95 - —
l.c.l 100 lbs. 6.45 - —
pentahydrate, bgs., c.l., works, frt. equald 100 lbs. 4.60 - —
l.c.l. bgs. works 100 lbs. 4.40 - 6.90
bbls., c.l., works 100 lbs. 4.80 - —
l.c.l., works 100 lbs. 5.20 - —
Molybdate, annyd., bbls., works lb 75 - .85

Sodium monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls. lb. 70 - —
Nitrate, crude, dms., bgs., c.l., works ton. 48.50 - —
bulk, c.l., works ton. 45.00 - —
imp. 100-lb. bgs. c.l. Gulf, Pac. whse ton. 53.50 - —
bulk, c.l., same basis ton. 50.00 - —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP gran, dms. lb. .17 - —
Orthotoluene, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 7.60 - —
hydrated flake bbls. c.l. works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .10½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots lb. 3.65 - 4.00
Para-aminosalicylate, dms., 1,000-lb. lots, frt. adjusted lb. 5.25 - —
smaller lots, same basis lb. 5.30 - 5.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
l.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - .28
powd., bgs., c.l., same basis lb. .24 - —
l.c.l., same basis .25 - .27

Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

Sodium perborate, USP, tech., bbls., c.l., works lb. .19¾- —
l.c.l., works lb. .20¾- .21¾
Peroxide, dms., c.l., dlvd, E. of Miss. lb. .21 - —
l.c.l., same basis lb. .21½- 22
Phenolsulphonate, USP IX, gran., dms lb. .44 - —
powd., dms lb. .47 - —
Phosphate, dibasic, anhydr., bgs., c.l., works 100 lbs. 7.15 - —
l.c.l., works 100 lbs. 7.55 - —
duohydrate, bgs., c.l., works, 100 lbs. 6.65 - —
l.c.l., works 100 lbs. 7.05 - —
USP, dried, powd, bgs., dms, works lb. .19 - .20½
monobasic, annyd., bgs., c.l., works 100 lbs. 8.05 - —
l.c.l., works 100 lbs. 8.45 - —
tribasic, cryst., bgs., c.l., works, frt. equald 100 lbs. 4.15 - 5.30
l.c.l., same basis 100 lbs. 4.55 - 8.20
Sodium phosphates in nbls. 40c higher than bgs
Prussiate, yellow, bgs., 10-ton lots, lb. .13½- —
smaller lots lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald 100 lbs. 10.00 -10.75
ferric dms, 1,500 lbs. works, lb. .40 - —
smaller lots, works lb. .42 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald 100 lbs. 7.40 - 7.50
l.c.l., frt. equald 100 lbs. 7.80 - 7.90
Salicylate, USP, dms. lb. .63 - —

Sodium sesquicarbonate, bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., dlvd, zone 1 100 lbs. 3.85 - 4.25
zone 2 100 lbs. 4.11 - 4.51
zone 3 100 lbs. 4.40 - 4.70
zone 4 100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 94° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.
bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 - —
l.c.l. works 100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works 100 lbs. 1.30 - —
l.c.l., works 100 lbs. 1.60 - 1.85
tanks, works ton. 19.00 - —
52°, turbid., dms., c.l., works 100 lbs. 2.20 - —
l.c.l., works 100 lbs. 2.50 - 2.75
tanks, works ton. 37.00 - —
solid, bgs, works ton. 55.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .054 - .0701
Stannate, dms., works, frt. alld. E. lb. .577 - .631
Stearate, tech., dms., works lb. .43 - .44
USP, dms., works lb. .75 - —
Sulphanilate, bbls, works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .22½- —
100 lbs. 2.00 - —
tech, anhyd, bgs, c.l., works, l.c.l., works 100 lbs. 2.35 - 2.60
cryst (see Glauber's salt)
USP, cryst., bbls lb. .19 - .19½
gran., bbls lb. .19 - .19½
Sulphide, flake, bbls., c.l., works, E., frt. equald 100 lbs. 5.00 - —
l.c.l. same basis 100 lbs. 5.40 - 5.90
fused, bbls., c.l., works, E. frt. equald 100 lbs. 4.50 - —
l.c.l. same basis 100 lbs. 5.00 - —
Sulphite anhyd., bgs., c.l., works, 100 lbs. 2.73 - —
l.c.l., same basis 100 lbs. 3.33 - 5.58
regular, cryst., bgs., c.l., works 100 lbs. 4.80 - —
l.c.l. same basis 100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l lb. .06¼- —
l.c.l., works lb. .06¾- —
liquid, 36-40% basis 100%, tanks, works ton. 100.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03¼- —
l.c.l., works lb. .03¾- —
Thiocyanate CP dms lb. .55 .65
tech dms works lb. .30 —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .13¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate, 90%, 100 lb. dms., c.l., frt. alld., E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50 lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10 lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate bgs. c.l. works, frt. equald 100 lbs. 7.75 - 8.00
l.c.l., same basis 100 lbs. 8.15 - 8.40
Tungstate tech. bgs., dlvd. East lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt equald lb .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium-sulpha drugs (see Sulpha name).
Sodium-zirconyl sulphate fiber dms., 1,000 lbs or more, works lb. .28 - —
less than 1,000 lbs. same basis.
Solvent naphtha, coaltar, tanks, works gal. .31 - .34
high-flash, tanks, works gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex. gal. .31 - —
Bayonne gal. .35 - —
150°F. flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works, lb. .32 - .33
powd., dms, ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb. .25¼- —
less ton lots, works lb. .26 - —
tanks, works lb. .23½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur. ton. 74.00 - —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate, ens oz. .85 1.25
Spearmint leaves, bls lb. .60 - .65
Spikenard root, bls lb. .32 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs, c.l., works, lb. .05½- —
l.c.l., same basis lb. .05¾- —
Squaw vine leaves, bls. lb. .35 - .40
Squill, red, fortified, powd., bbls, boxes lb. 1.60 - —
White, bls lb. .10 - .12
powd. bbls., bxs lb. .16 .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .10 - .13
Stainless steel flake dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —

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Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 6.80 - —
l.c.l. 100 lbs. 6.95 - —
powd., paper bgs., c.l. 100 lbs. 6.92 - —
l.c.l. 100 lbs. 7.07 - —
Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05¾ - —
Maine, bgs., c.l., works lb. .06 - —
l.c.l., spot lb. .08 - .08¼
Rice, ogs lb. .18 - .22
Wheat, bgs. lb. .0660- .0710
Stavesacre seed, bzs lb. .60 - .61
Steartn oleo (see Oleostearin).
Stillingia root, bls lb. .30 - .35
Stoneroot, ms lb. .07½ - .08
Storax USP cs lb. 1.50 - 1.80
Stramonium leaves, bgs lb. .17 - .20
Streptomycin, hydrochloride and sulphate, bulk, 50 kilos or more gram .324 - —
unlabeled, 1-gram, vials, 1 to 500,000 vials vial .384 - —
5-gram vials, 1 to 500,000 vials vial 1.766 - —
Strontium bromide, NF, cns dms. lb. .77 - —
Carbonate, 92%, dms lb. .20½ - .24½
Chloride, tech., bbls lb. .22 - .24
Chromate, bbls., works lb. .46 - —
Iodide jars, 25 lbs lb 3.37 - —
Nitrate, bbls., c.l., works lb. .1025- —
l.c.l., works lb. .1145- —
Oxalate, obls. works lb 42 - 44
Salicylate, NF, dms lb. 1.65 - —
Sulphate air-floated 90% 325 mesh bgs., works ton. 56.70 - 66.15
Strontium-calcium sulphide phosphorescent dms., works lb. 2.80 - 2.85
Strophanthin, NF, bots oz. 32.50 - 39.00
Strophanthus seed, Kombe bgs., lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate NF, 100 ozs. oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs. oz. 1.00 - —
Styrene monomer, dms., c.l., works. lb. .21¼ - .22¼
l.c.l., works lb. .22¼ - .23¼
tanks, works lb. .20 - .21
Styrolyl acetate bots. lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls. l.c.l., works lb. .65 - —
tech. bbls., l.c.l., works lb. .60 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide dms. lb. 4.25 - 4.60
Sulphabenzamide sodium, dms. lb. 4.25 - 4.60
Sulphacetamide, fiber, 100 lb. drums, kilo. 9.25 - —
Sulphadiazin, USP, crystals, free flowing, dms. lb. 11.25 - 11.75
microcrystals, 99%, not over 10 microns, dms. lb. 10.60 - 11.10
powder lb. 10.25 - 10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms. lb. 12.25 - 12.75
powder lb. 11.25 - 11.75
Sulphaguanidin, USP, dms. lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms. lb. 10.65 - 11.15
powder, dms. lb. 10.25 - 10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 - 11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms lb. 8.50 - 9.00
Sulphanilamide USP, crystals, free flowing, dms lb 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms. lb. 1.30 - 1.50
Sulphanilamidoquinoxaline veterinary, dms lb. 8.00 - 8.25
Sulphapyridin NF powd bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium powd., bots., dms lb. 7.50 - 8.00
Sulpharhiazole USP crystals, free flowing dms lb. 4.00 - 4.50
micro crystals 99.9%, not over 10 microns, dms lb. 3.85 - 4.15
powder, dms. lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs. 1.70 - —
bbls., mines 100 lbs 2.00 - —
crude, bulk, c.l., mines, contract, long ton. 21.00 - 22.00
f.o.b. vessels, Gulf ports, export long ton. 25.00 - 27.50
domestic and Canada long ton. 22.50 - 23.50
refined, flowers, USP, bgs., mines. 100 lbs. 3.60 - —
bbls 100 lbs 4.75 - —
flour, light, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs 4.25 - —
lump, bgs., mines 100 lbs 2.90 - —
rolls, bgs., mines 100 lbs. 3.35 - —
bbls., mines 100 lbs. 3.80 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines 100 lbs 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls. mines 100 lbs. 3.80 - —
10% pine tar, bgs., mines 100 lbs. 3.65 - —
washed, NF, bot lb. .11 - —
Sulphur dichloride, dms., c.l., works, frt. equald lb. .03½ - —
l.c.l., same basis lb. .04¼ - —
tankcars, same basis lb. .03¼ - —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration cyls., l.c.l., dlvd lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03½ - —
l.c.l., same basis lb. .04¼ - —
tanks, same basis lb. .03¼ - —
Sumac leaf, 28%, bgs., ex-dock short ton. 138.00 - —
ground, same basis ton. 135.00 - —
Superphosphate run-of-pile, under 22% a.p.a pulv., bulk, Balto unit-ton. .81 - .82½
Carteret, N. J. unit-ton. .82 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla unit ton. .87 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphorphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, California, bgs lb. 1.10 - 1.15
imported, bgs lb. .90 - 1.00

T

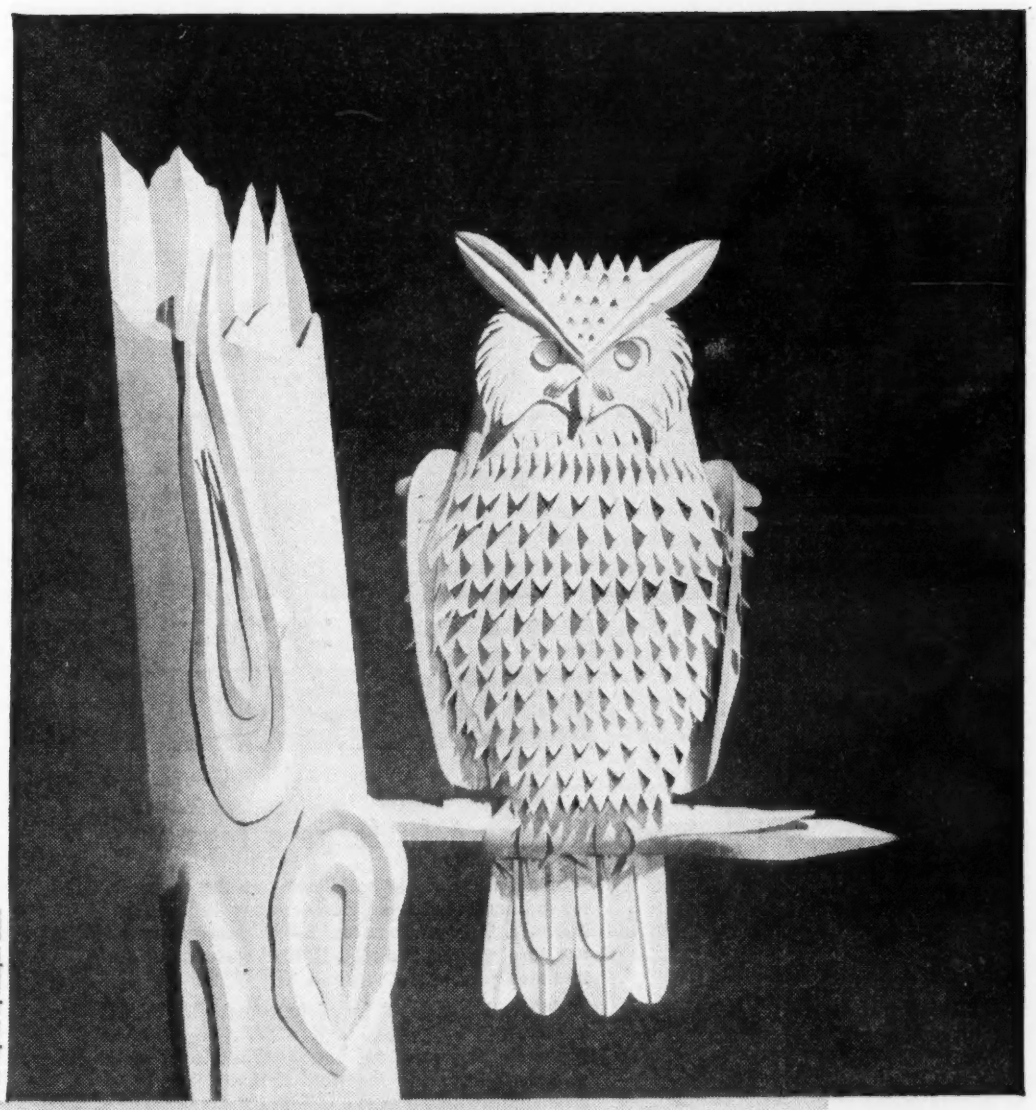
2,4,5-T, dms., c.l., works lb 1.60 - —
l.c.l., works lb. 1.65 - —
Isopropyl ester dms., c.l., works. lb 1.70 - —
l.c.l., works lb. 1.75 - —

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 - 35.00
Vermont, off color, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, grd., bgs., c.l., works ton. 25.00 - 30.00
l.c.l. lb. 28.00 - 35.00
99.5%, 325 mesh, bgs., c.l., works ton. 27.00 - —
l.c.l. works ton. 30.00 - 32.00
imp., Canada grd., bgs. c.l. mines ton. 15.25 - 35.00
Tallow, edible, tanks, f.o.b. works lb. .14 Nom.
inedible, extra lb. .09½ - —
fancy lb. .09¾ - —
special lb. .07⅞ - —
No. 1 lb. .07½ - —
sulphonated, 25%, dms., l.c.l. lb. .07¼ - .08
50%, dms., l.c.l. lb. .11¼ - .11½
Tamarind, W.I., bbls lb. .13 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.50 - —
Chicago unit-ton. 8.75 - —
Tansy leaves, bls lb. .25 - .30
Tapioca flour, high grade, bgs lb. .07¾ - .08¼
medium grades, bgs lb. .07 - .07½
Java, bgs lb. .06¾ - .07¼
Tar acid oil, 15-18% dms., c.l., frt. equald gal. .50 - —
l.c.l., same basis gal. .52 - —
tanks, same basis gal. .40 - —
25-28%, dms., c.l., same basis, gal. .56½ - —
l.c.l., same basis gal. .58½ - —
tanks, same basis gal. .46½ - —
50-53%, dms., c.l., same basis, gal. .72½ - —
l.c.l., same basis gal. .74½ - —
tanks, same basis gal. .62½ - —
Tar, coal (see Coaltar).
Pine (see Pinetar).

Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - —
dms. lb. .57 - .58
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. lb 25 - .25½
NF, cryst., bbls., dms lb 75 - —
powd., bbls., dms lb 80 - —
Terpineol, alpha (see A)
commercial, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
extra, dms. lb. .50 - .61
prime, dms. lb. .43 .55
Terpinglycol ether dms. c.l., works lb. 23½ - —
l.c.l., works lb. .25½ - —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .66 1.10
prime, dms lb 55 .65
Propionate, dms. lb. 1.75 2.00
Terra alba (see Gypsum)
Testosterone, USP 100 gms. bots. gm. 3.00 - —
Propionate USP 100 gms. bots. gm. 2.60 - 3.00
Tetrachloroethane, dms. works lb 08 08½
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. 20½ .21½
smaller dms. works lb 23½ 25
Tetraethyl orthosilicate dms. works. lb. 72 —
Pyrophosphate 40% cns., dms., works lb. .80 - .88
Tetraethylenepentamine dms., c.l. works lb 56½ —
l.c.l., works lb 57 - —
tanks lb. .55 - —

Stannous Chloride—Tin Tetrachloride

Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Thallium metal dlvd lb 12.50 15.00
sulphate 99% bots. dlvd lb 10.50 13.00
Theobromine fib dms lb 5.75 6.00
Salicylate fib dms lb 5.17 —
with sodium acetate USP dms lb 4.80 —
Sodio-salicylate, fib. dms lb 4.05 4.10
Theophylline anhyd a USP 100 lb dms lb 5.75 6.00
Thiamine hydrochloride, USP, bots., 100 grams kilo. 100.00 - —
Mononitrate, bots, 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb 5.50 5.60
Thiourea, tech., dms., c.l., works. lb. 43½ - —
l.c.l., works lb. .45½ - —
Thorium nitrate, cs., works lb 3.60 - —
Threonine dextro laevo, bots 100 grams 100.00 - —
Thyme, French, bgs lb. .20 - .21
Spanish, bls lb 08 - .08¼
Thymol, fib. dms. lb 3.75 5.52
Iodide, NF, dms lb. 9.30 9.42
Timbo root (see Cube root)
Tin chloride, stannous, anhyd., dms., works lb. .872 - .882
Crystals, hydrous, bgs., bbls., works lb. .71½ - —
Metal lb. 1.05 - —
Oxide, bbls lb. 1.05 - 1.06
Sulphate, stannous, bbls lb. .98 - 1.00
Tetrachloride, anhyd., dms., works. lb. .82 - .83



THE WISDOM OF EXPERIENCE

assures maximum purity and efficiency in NIALK* chemicals—produced by a pioneer in the field of electro-chemicals.

NIALK	Liquid Chlorine
NIALK	Caustic Potash
NIALK	Carbonate of Potash
NIALK	Paradichlorobenzene
NIALK	Caustic Soda
NIALK	TRICHLORethylene
NIAGATHAL*	(Tetrachloro Phthalic Anhydride)

*Trade-mark

NIAGARA ALKALI COMPANY
60 East 42nd Street, New York 17, N. Y.

Titanium Dioxide—Vitamin A, Synthetic

Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
t.c.l. dlvd ..... lb. .22 - .22½
regular, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd ..... lb. .22 - .22½
ceramic, bgs., c.l., dlvd ..... lb. .21 - .21½
l.c.l., dlvd ..... lb. .22 - .22½
metallurgical, natural, granular, bgs., c.l., works. lb. .04¼- —
5-ton lots, works. lb. .04½- .05¼
milled, bgs., c.l., works. lb. .04¼- —
5-ton lots, works lb. .04¾- .05½
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd E ..... lb. .24 - .24½
Hydride cns works ..... lb 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd. lb. .08 - .08½

Titanium dioxide and pigment in bbls higher, Pac coast c.l. dlvd. t.c.l. ex whse ½c higher

Titanium tetrachloride, tech., dms., c.l., works ..... lb. .45½- —
t.c.l., works ..... lb. .48½- .56½
tankcars, works ..... lb. .44½- —
Tolidin base distilled kgs ..... lb 1.30 —
Tolu balsam, cns., dms. ..... lb. 6.10 - 6.75
Toluene (see Toluol).
Toluol coaltar industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .32 - —
Birmingham dist ..... gal. .30 - —
Chicago dist ..... gal. .33 - —
Cleveland dist ..... gal. .32¾- —
Geneva, Utah ..... gal. .26 - —
Hamilton, Ohio ..... gal. .32 - —
Johnstown, Pa ..... gal. .30 - —
Lackawanna, N. Y. ... gal. .33 - —
Lone Star, Tex ..... gal. .35 - —
Lorain, Ohio ..... gal. .31 - —
Minequa, Colo. ..... gal. .32 - —

Toluol, coaltar, industrial and nitration, tanks, Philadelphia, Pa. ..gal. .33½- —
Pittsburgh dist. ..... gal. .30 - —
Sparrow's Point, Md. .. gal. .32 - —
Syracuse, N. Y. ..... gal. .30½- —
Terre Haute, Ind. ..... gal. .33½- —
Wyandotte, Mich ..... gal. .33 - —
Youngstown, Ohio ..... gal. .30½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. ..... gal. .33 - —
Bayonne, N. J. ..... gal. .33 - —
Baytown, Tex. ..... gal. .31 - —
Chicago, Ill ..... gal. .33 - —
Detroit, Mich ..... gal. .33 - —
Philadelphia, Pa. ..... gal. .33 - —
Providence, R. I. ..... gal. .33 - —
Wood River, Ill ..... gal. .33 - —
Tolylene di-isocyanate cms. works.
Tonga 50% bark and vine bls. lb .80 - .95
Tonka beans, Angostura cs ... lb 1.75 - 1.80
Brazilian, cs ..... lb. 1.00 - 1.15
lb. 4.00 - 4.50
Totaquine 100-oz lots cns ..... oz. .42 - —
Toxaphene dms. c.l. works ... lb. .23 - —
truckloads, works ..... lb. .23 - —
ton to truckloads, works . lb. .26 - —
less than ton lots, works . lb. .29 - —
Triacetin, dms., dlvd ..... lb. .51½- .52½
Triacetin, dms., c.l., dlvd. E ..... lb. .55 - —
l.c.l., dlvd. E ..... lb. .56 - —
tanks, dlvd. E ..... lb. .53½- —
Tributyl citrate, tech., dms., c.l. lb. .40½- —
l.c.l. ..... lb. .41½- —
tanks ..... lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .63½- —
l.c.l., same basis ..... lb. .64½- —
smaller containers ..... lb. .68½- —
Tributylamine, dms., c.l., works, frt., alld, E of Miss ..... lb. .71¾- —
l.c.l., same basis ..... lb. .72¾- —
tanks, same basis ..... lb. .70 - —

Trichlorobenzene, dms. c.l. works, frt. alld. lb. .12½- —
l.c.l., frt. alld ..... lb. .13½- —
tanks, frt. alld ..... lb. .11 - —
Prices in the West, 1¼c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. alld. lb. .11 - —
dlvd. E ..... lb. .12½- —
l.c.l., works, frt. alld ..... lb. .11½- —
dlvd. E ..... lb. .13½- —
tanks, works, frt. alld ..... lb. .10 - —
dlvd. E ..... lb. .11 - —
Tricholine citrate, 65% solut., ret., chys., works, frt. adjusted ..... lb. 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd. lb. .37 - .37¼
l.c.l., dlvd ..... lb. .38 - .38¼
tanks, dlvd ..... lb. .35 - .35¼
petroleum, dms., c.l., dlvd lb. .37 - .37¼
l.c.l., dlvd ..... lb. .38 - .38¼
tanks, dlvd ..... lb. .35 - .35¼
Triethanolamine dms., c.l., frt. alld, E lb. .26¼- —
l.c.l., same basis ..... lb. .27¼- —
tanks, same basis ..... lb. .24½- —
Triethylamine, dms., c.l., works, frt. alld. E lb. .43 - —
l.c.l., same basis ..... lb. .44 - —
tanks, same basis ..... lb. .41¼- —
Triethyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. ..... lb. .38½- —
tanks ..... lb. .36 - —
Phosphate, dms., works, c.l. ... lb. .38 - —
t.c.l. same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .23¼- —
l.c.l., same basis ..... lb. .24¼- —
tanks, same basis ..... lb. .21½- —

Triethylenetetramine, dms., c.l., works. lb. .47½ - —
l.c.l. works ..... lb. .48 - —
tanks ..... lb. .46 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
t.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works, lb. .36½- —
t.c.l., same basis ..... lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald. lb. .37 - —
l.c.l., frt. equald ..... lb. .38 - —
Triphenylguanidine, bbls. works lb. .90 - —
Tripoli, air floated, bgs., c.l., works, lb. .0175- —
double ground, bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works.... lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld. lb. .26¼- —
t.c.l., frt. alld ..... lb. .27¼- —
tanks, frt. alld ..... lb. .24½- —
Trisodium fluoroacetate (see sodium fluoroacetate (tribasic)
Trisodium phosphate (see Sodium phosphate (tribasic)
Trypsin, pharmaceutical, 1:30 dms., works lb. 5.00 - —
Tryptophane, dextro-laevo, fib. cns. works kilo. 207.00 - 242.00
Tuba root (see Cube root).
Tungsten metal powd. 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs. ... lb. .25 - .25½
Haitian, bgs. ..... lb. .09 - .09½
Jamaica, bgs. ..... lb. .08¾- .09
Madras, bgs. ..... lb. .14 - .14½
Turpentine gum (see Naval Stores Protective Coatings market).
Wood, dest.-dist., dms. extra, c.l., works, South. gal. .59 - —
t.c.l., same basis ..... gal. .60 - —
l.c.l., whse. N.Y.C. ..... gal. .70 - —
steam-dist., dms., extra, ref., c.l., works. gal. .80 - —
t.c.l., ex whse., NYC. gal. .98 - —
tanks, works ..... gal. .70 - —
Tyrothricin, bots. ..... gram 1.00 - 1.10

U

Urethane, USP, dms. ..... lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb 2.55 - —
yellow, kgs lb 1.65 - —
Urea, dom. 46% N bgs., c.l., wks. lb. .05½- —
t.c.l., works ..... lb. .06 - —
44% N, bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east. ton. 142.00 - —
l.c.l., dlvd. ..... ton. 146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va ton. 120.00 - —
C and D grades, tankcars, same basis ton. 118.50 - —
37 grade, tankcars, same basis. ton. 147.50 - —
Uva ursi leaves, bls ..... lb. .60 - .10

V

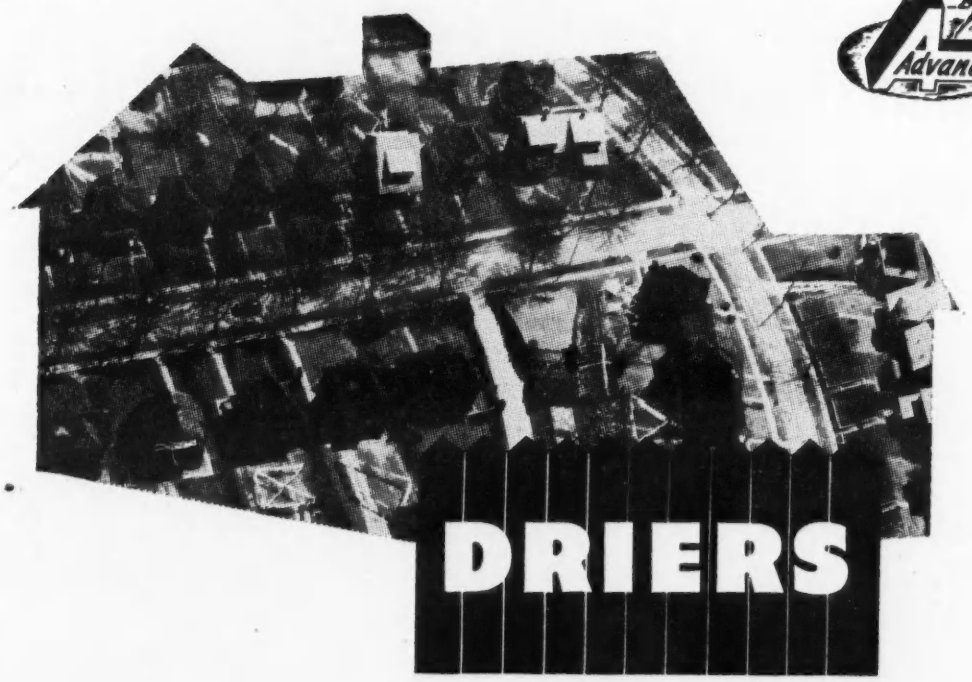
Valerian root, Belgain, NF, bls. lb. .30 - .35
Valine, dextro-laevo, dms. works. lb. 21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., ex dock ..... ton. 86.00 - 87.00
Cups, 28-30%, tannin bgs., ex dock ton. 65.00 - 68.00
Extract powd., bgs., ex dock, duty extra. lb. .09½- .09¾
Vanadium pentoxide CP bgs. cns., contract works. lb. 7.00 - —
tech., dms., works ..... lb. 1.28 - —
spot, dms., work ..... lb. 1.33 - 1.43
Vanilla, beans, Bourbon, tins ..... lb. 3.00 - 3.25
Mexican, cuts, tins ..... lb. 4.75 - 5.00
whole, tins ..... lb. 5.35 - 6.00
Tahiti, cs ..... lb. 2.40 - 2.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 5.50 - 6.50
smaller lots ..... lb. 5.55 - 6.65
ex guaiacol, tins, 25 lbs ..... lb. 3.25 - —
smaller lots ..... lb. 3.30 - 3.40
ex lignin, tins, 25-lb. lots ..... lb. 3.00 - —
smaller lots, tins ..... lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works. lb. .19 - —
t.c.l., works ..... lb. .19½- —
tanks, works ..... lb. .18 - —
Butylether, normal, tech., dms., c.l., works. lb. .28 - —
t.c.l. works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
t.c.l. works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
t.c.l. works ..... lb. .30 - —
tanks, works ..... lb. .27 - —
Methylether, cyls., works ..... lb. .30 - —
tanks works ..... lb .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units. 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 100 billion USP units. 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units. 1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more. 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units .21 - —
over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more. 1,000,000 units. .18 - —
lots of less than 500 million units. 1,000,000 units. .22 - —

Prices above are based on the USP XIV method of conversion. Morton-Stubbs Corrected E x 1900.

A, synthetic, acetate, crystalline, beads, 500,000 A units per gm ..... 1,000,000 units. .20 - —
liquid, in oil, 1,000,000 A units per gm ..... 1,000,000 units. .18 - —



Making a little go a long way

Shortages and rising costs point up the urgent need for maximum efficiency and economy in the paint industry. Today, more and more progressive paint men are turning to ADVANCE DRIERS for a solution to these problems.

ADVANCE SOLIGENS (naphthenates), ADVANCE HEXOGENS (octoeates) and ADVANCE ADVASOLS (linoresinates) form an unbeatable trio of paint driers, effectively covering the field and providing the best compound for every use. Each is a product of long experience and exhaustive research, with quality and uniformity stressed above all. And, of course, our laboratories and technical staff are always ready to help you with special problems—without obligation.

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Ajax & Wilkens — Poland Electric Furnaces; Logemann Model 31P Press; 4 — 500 KVA Transformers, Complete 13,200 Volt Sub Station; 50 Stainless Steel and Stainless Steel Lined Tanks; 10 Stainless Steel Centrifugal Machines; 20 Plate and Frame Filter Presses; Air Compressors; 3 —500 H.P. Cleaver Brook Steam Generators; Large Lot Stainless Steel Pipe; Large Stock of Stainless Steel and Bronze Valves, Sheets, Round and Square Stock and Miscellaneous Store Room Parts. 10 Towmotor Fork High Lift Trucks; Auto Trucks; Link Belt Diesel LS85 Speeder Crane; Traveling Bridge Crane 56' Span, 360' Long, 15 and 5-Ton Hoist with 3 A.C. Motors; Rotary Kilns (2 Stainless Steel lined); Stainless Steel Motor Driven Agitators up to 11½ ft. Diameter; Machine Shop Equipment and Supplies; Approximately 350 A.C. Motors up to 125 H.P., 220 volts, 60 cycles, 3 phase; 100 Stainless Steel and Bronze Pumps; Complete Laboratory; Office Furniture and Office Equipment; Etc.

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Vitamin A, Natural, Concentrates—Yohimbine Hydrochloride

Vitamin A, natural, concentrates (see Oil, fishliver), palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .18 - —
in oil, 1,000,000 A units per gm. 1,000,000 units. 18 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, gm. or 5 gm. vials ..... gram 350.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1 25 gm. bots. ..... gram. 4.50 - —
Violet, methyl toner (see Blue methylviolet toner).
V.M.P naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls ..... lb 1.75 - 1.80
Tree bark, bls ..... lb .75 - .90
Warfarin 0.5%, dms., 50 lbs. f.o.b. N. Y. or Chicago lb 1.95 - —
25-49 lbs., same basis lb 2.05 - —
5-24 lbs., cns., same basis lb 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 106.50 - —
merchantable, bgs., ex dock ton. 103.50 - —
extract, liquid, 35% tannin, bbls., works lb. .11 - .11½
Wattle extract, solid, E. Africa, 61% tannin, bgs., ex dock, duty extra ..lb. .11½- —
S. Africa, 62%, tannin, ex dock, duty extra ..lb. .11½- —
Wax amorphous (see Wax micro crystalline)
Bayberry, bgs., spot ..... lb. .55 Nom.
Bees, bleached, USP, bricks, cs. lb. .80 - .81
slab, bgs ..... lb. .79 - .80
crude, African, bgs ..... lb. .62 - .64
Brazilian, bgs ..... lb. .74 Nom.
Central American, bgs .... lb. .67 - .69
refined, yellow, bricks, cs .... lb. .71 - .73
slabs, bgs. ..... lb. .70 - .72
Candelilla, crude, bgs ..... lb. .75 - .77
refined, bgs ..... lb. .78 - .80
Powdered candelilla, 20 mesh, 5c. per lb. extra: 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. 1.00 Nom.
North Country, No. 2, bgs., ton lots .lb. 1.05 - 1.07
No. 3, crude, bgs., ton lots .lb. .98 - 1.00
refined, bgs., ton lots .... lb. 1.05 - 1.07
yellow, No. 1, bgs., ton lots .lb. 1.15 - 1.17
No. 2 ..... lb. 1.13 - 1.15
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs. ..... lb. .45 - .50
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs. group 3, works lb .14 - —
Less than 20,000 lbs., same basis lb .15 - —
Wax, microcrystalline black, ctns., 20,000 lbs., same basis .lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
less than 20,000 lbs lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs same basis lb. .28 - —
190°-195° m.p., ASTM, amber, basis lb. .20½- —
Less than 20,000 lbs., same basis lb .21½- —
black, ctns., 20,000 lbs., same basis .lb. .19 - —
Less than 20,000 lbs same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis. lb. .33½- —
Less than 20,000 lbs same basis lb .34½- —
Montan, dom., black, raw, bgs lb. .25 - .25½
refined, bgs ..... lb. .31 - .32
imported, Bohemian, bgs. ..... lb. .15 - —
German, bgs ..... lb. .14 - .15
Ouricury, ref., bgs ..... lb. .81 - .83
Paraffin (see P.).
Spermaceti, blocks, cs ..... lb. .30 - .33
cakes, cs ..... lb. .31 - .34
Sugar, cane, refined, dom., slabs, works lb. .85 - —
imp., bgs., N. Y. ..... lb. .53 - —
White lead (see Lead, white).
White pine bark, rossed, bls ..... lb. .18 - .20
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works, ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton. 16.00 -30.00
smaller lots, works ton. 21.00 -35.00
Paris white, bgs., c.l. ..... ton. 24.00 -31.00
l.c.l. whse. ton. 25.00 -40.00
Precipitated, bgs., c.l ton. 18.00 -20.00
l.c.l ton. 25.00 -35.00
Wild cherry bark, thick, natural, bls .lb. .06 - .07
Thin, natural, bls ..... lb. .18 - .20
rossed, bls. ..... lb. .19 - .22
Wild indigo root, bls ..... lb. .30 - .31
Wild yam root, bls ..... lb. .16 - .17
Witch hazel leaves, bls ..... lb. .20 - .22
Wollastonite, 20 mesh, bgs., f.o.b. works ton. 19.00 - —
325 mesh, same basis ..... ton. 20.00 -27.00
Woodflour 40 mesh bulk c.l. works, East ton. 32.00 - —
c.l. same basis ton. 40.00 - —
60 mesh bulk c.l. same basis ton. 37.00 - —
c.l. same basis ton. 45.00 - —
80-100 mesh, bulk, c.l., same basis, ton. 45.00 -50.00
c.l. same basis ton. 60.00 -62.00
Woodflour in bgs extra, returnable
Woolfat, crude (see Degras)
USP (see Lanolin).
Wormseed American, bgs ..... lb. .14 - .16
Levant, bgs ..... lb 4.25 - 4.50
Wormwood leaves, bls ..... lb .35 .45

X

Xanthorrhiza root, bls ..... lb. .28 .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58° C. m.p., ref. dms. c.l. works frt equald lb. .193 - —
c.c. same oasis lb. .193 - —
tanks, same oasis lb .13 - —
Xylenol, 45°-47° C, dms., c.l., frt. equald .lb. .153 - —
c.c.l. same oasis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. 1.31 - —
c.c.l. same basis gal. 1.34 - —
tanks, same basis gal. 1.20 - —
meta fraction, over 7° C., dms., c.l., same basis .gal. 1.46 - —
c.c.l. same basis gal. 1.49 - —
tanks, same basis gal. 1.35 - —
Xylidins, mixed dms ..... lb. .39 .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem Pa gal. .33 - —
Birmingham district gal. .30½- —
Chicago district ..... gal. .33½- —
Cleveland district ..... gal. .33 - —
Geneva, Utah ..... gal. .25 - —
Hamilton Ohio ..... gal. .32 - —
Johnstown, Pa ..... gal. .31 - —
Lackawanna, N. Y .... gal. .33 - —
Lone Star, Tex ..... gal. .35 - —
Loram Ohio ..... gal. .31 - —
Minequa Colo ..... gal. .34 - —
Philadelphia Pa .... gal. .33 - —
Pittsburgh district ... gal. .30 .33
Sparrows Point, Md . gal. .33 - —
Syracuse, N. Y ... gal. .30½- —
Terre Haute, Ind gal. .35 - —
Wyandotte, Mich gal. .33 - —
Petroleum, indust., tanks, Youngstown, Ohio gal. .30½- —
Youngtown Ohio ... gal. .30½- —
Albany, N. Y ..... gal. .33 - —
Bayonne, N. J ..... gal. .33 - —
Baytown, Tex ..... gal. .31 - —
Chicago, Ill ..... gal. .33 - —
Detroit, Mich ..... gal. .33 - —
Philadelphia Pa .... gal. .33 - —
Providence, R. I ... gal. .33 - —
Wood River, Ill .... gal. .33 - —

Y

Yara yara, cns ..... lb. 2.25 - 2.65
Yeast, brewer's dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
Yeast, brewer's, dry, USP, 200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd ..... lb. 1.91 - —
AAOT, bbls ..... lb. 2.06 - 2.15
Cadmium, CP all shades, bbls., frt alld. E. of Rockies ..... lb. 3.20 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.32 - —
Cadmium yellows Los Angeles and San Francisco ex whse 1c per lb higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island. lb. .32 - —
Dlvd Ala., Fla. Ga., La. (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c higher; El Paso, Tex., 2c higher; Cedar Rapids Des Moines Kansas City Lincoln Omaha St Joseph 1.6c higher dlvd. Pac Coast; for Denver, Pueblo Salt Lake City Wichita prices are equalized with Chicago
Hansa, 10 G, bbls., same basis as chrome ..... lb. 2.05 - 2.15
G, pigments, bbls ..... lb. 1.91 - 2.05
Iron oxide, natural, bgs., c.l., works lb 0141- 0250
c.c. works lb 0166- 0275
French type, bgs., c.l. .... lb. .04½- —
c.c.l. lb 04¾ —
Peruvian type bgs. c.l. lb 0185 0210
synth. bgs. c.l. works .. lb 09½- —
l.c.l works lb 09¾ —
Mercury oxide, bbls., 1,000 lbs. lb. 4.15 - —
smaller lots ..... lb 4.17 - —
Ocher, American golden, bgs., works lb 01¼ 02¾
Zinc, (chromate) bbls., dlvd .... lb. .27 - —
basic, dlvd ..... lb. .30 - —
Yellow dock root, bls ..... lb. .21 - .22
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb 28 .30
Yohimbine hydrochloride, vls oz. 4.75 5.25

PURCHASING AGENT'S BUYING GUIDE

PYRIDOXINE HYDROCHLORIDE

Quality ▸ Meets U.S.P. Reagent Specifications

Source ▸ HOFFMANN-LA ROCHE INC., VITAMIN DIVISION

Supply ▸ Manufactured by the tons

Special qualities ▸ Roche pyridoxine hydrochloride is of such high quality that it may be used for parenteral solutions.

Packaging ▸ Available in polyethylene bag in 1 kilo fibre drum; smaller quantities in amber screw cap bottles.

ROCHE VITAMINS

Ascorbic Acid Biotin Panthenol Sodium Ascorbate
Riboflavin Riboflavin-5'-phosphate sodium
Riboflavin-5'-phosphate diethanolamine
Thiamine hydrochloride and mononitrate
dl-alpha-Tocopherol acetate and unesterified
Pyridoxine hydrochloride
Vitamin A acetate and palmitate synthetic

VITAMIN DIVISION
HOFFMANN-LA ROCHE INC.
Nutley 10, New Jersey NUtley 2-5000
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.
Pacific Coast: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City

Z

Zein, bgs., 36,000 lbs., works	lb.	.35	—
1,000 lbs. to 36,000 lbs., works	lb.	.37	—
smaller lots, works	lb.	.40	—
Zinc acetate, tech., bbls., dms., works	lb.	.28	.30
NF VIII, dms	lb.	.53	—
Borate, bgs., c.l., dlvd. E	lb.	.18½	—
t.c.l., dlvd. E	lb.	.19½	—
Carbonate "purified, powd., dms.	lb.	.26	—
tech., rubbermakers', bgs., works	lb.	.10¾	.11⅛
precipitated powd., dms	lb.	.26	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	8.70	—
t.c.l., works	100 lbs.	9.10	—
gran., bbls., c.l., works	100 lbs.	9.45	—
t.c.l., works	100 lbs.	9.85	—
solution 50%, dms., c.l., works	100 lbs.	4.75	—
t.c.l. works	100 lbs.	5.35	—
tanks, works	100 lbs.	4.10	—
NF, gran, dms	lb.	.42	—
Chromate (see Yellow zinc).			
Cyanide, kgs, works	lb.	.457	.477
Dust, bbls., c.l., works	lb.	.21	—
t.c.l. works		.22	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld.	lb.	.20¾	—
t.c.l.	lb.	.21¼	—
Iodide, NF, jars	lb.	4.92	—
Laurate, bbls	lb.	.43	.46
Metal, slabs, E. St. Louis	lb.	.19½	—
Naphthenate, liquid, 8% Zn, frt. alld	lb.	.24	—
10% Zn, dms, frt. alld	lb.	.29¼	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigments, dom., acicular, bgs., c.l., dlvd	lb.	.16	—
t.c.l., dlvd	lb.	.17	—
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.16	—
t.c.l., dlvd	lb.	.17	—
leaded 5% bgs. c.l. dlvd.	lb.	.16	—
t.c.l., dlvd	lb.	.17	—
35%, bgs., c.l., dlvd.	lb.	.16⅝	—
t.c.l., dlvd	lb.	.17⅛	—
50%, bgs., c.l., dlvd.	lb.	.16⅞	—
t.c.l., dlvd	lb.	.17⅛	—
French process, com'l, green seal, bgs., c.l., dlvd	lb.	.17¾	—
t.c.l., dlvd	lb.	.18¾	—
red seal, bgs., c.l., dlvd.	lb.	.17¼	—
t.c.l., dlvd	lb.	.18¼	—
white seal, bgs., c.l., dlvd	lb.	.18¼	—
t.c.l., dlvd	lb.	.19¼	—
USP, ctns., c.l., dlvd	lb.	.19¼	—
t.c.l. dlvd	lb.	.20¼	—

Zinc oxide Pac. coast prices 1c. higher; bbl prices ½c higher than bgs

Phenolsulphonate, NF, gran., dms.	lb.	.39	—
powd. dms.	lb.	.42	—
Resinate, precip, dms., frt. alld.	lb.	.26	—
Silicofluoride, bbls., works	lb.	.12	—
Stearate, tech., USP, ctns., c.l.	lb.	.41	—
ton lots	lb.	.42	—
less ton lots	lb.	.43	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	6.85	—
t.c.l., same basis	100 lbs.	7.25	9.75
flake, 25½%, Zn, bgs., c.l., works, dlvd.	100 lbs.	6.05	—
t.c.l., works	100 lbs	6.45	8.95
powdered, 36% Zn, bgs., c.l., dlvd., same basis	100 lbs.	9.25	9.75
t.c.l., same basis	100 lbs.	10.00	10.50
Zinc sulphate in bbls. 40c higher			
USP, gran, dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.24	—
fluorescent, fiber dms., under 1,000 lbs., works	lb.	1.10	1.90
phosphorescent, fiber dms., under 1,000 lbs., works	lb.	1.85	2.50
Thionosulphonate, NF gran. bbls., dms	lb.	.33	.34
powd. bbls	lb.	.36	.37
Undecylenate, dms	lb.	2.25	—
Yellow (see Yellow zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	8.60	—
t.c.l., works	100 lbs.	9.00	11.50
Zinc-cadmium sulphide, fluorescent fiber dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	.1360
t.c.l., same basis	lb.	.1220	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l	lb.	.24½	—
t.c.l.	lb.	.25	—
normal, dms., t.c.l., works	lb.	.52	—
Zircon (see Zirconium silicate.			
Zirconium acetate 13% sol ZrO_2, bbls., works	lb.	.26½	—
Carbonate basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	8.00
Nitrate, dms., works	lb.	2.10	—
Oxide 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton or less, works	lb.	.45	.48
98½-99% white, milled, electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton or less, works	lb	.60	.63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.35½	—
Silicate, granular, bgs., c.l., works.	lb.	.03½	.03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	lb.	.04¼	.04¾
milled, bgs., c.l., works	lb.	.04½	—
5 tons, works	lb.	.05¼	—
1 ton or less, works	lb.	.05¾	.06¾
refined, bgs., c.l., works	lb.	.12	—
5 tons, works	lb.	.12½	—
1 ton or less, works	lb.	.13	.17

Explosives Transport Rules

—Continued from page 3

classed as a poison "B" material requiring a poison label and limited to 200 pounds per single shipment.

Hexaethyl tetraphosphate mixture, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Lithium hypochlorite compounds, dry, containing more than 8.80 percent available oxygen (39 percent available chlorine), classed as an oxidizing material requiring a yellow label and limited to 100 pounds per single shipment.

Parathion, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Parathion, mixture, dry, classed as a poison "B" material requiring a poison label and limited to 200 pounds per single shipment.

Parathion, mixture, liquid, classed as a poison "B" material requiring a poison label and limited to single shipments of one quart.

Sodium methylate, dry, classed as a flammable solid requiring a yellow label and limited to 100 pounds per single shipment.

Sodium methylate, alcohol mixture, classed as a flammable liquid requiring a red label and limited to 10 gallons per single shipment.

Tetraethyl dithiopyrophosphate, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Tetraethyl dithiopyrophosphate, mixture, dry, classed as a poison "B" material requiring a poison label and limited to 200 pounds per single shipment.

Tetraethyl dithiopyrophosphate, mixture, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Tetraethyl pyrophosphate, liquid, classed as a poison "B" material requiring a poison label and limited to 200 pounds per single shipment.

Tetraethyl pyrophosphate, mixture, dry, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Tetraethyl pyrophosphate, mixture, liquid, classed as a poison "B" material requiring a poison label and limited to one quart per single shipment.

Chemical Industry Given

—Continued from page 3

There will be, however, at peak periods some shortages of cars for asphalt in the summer and fuel oil in the winter; and these conditions will continue unless there is a general falling off in business, or until more substantial quantities of materials are made available to build new cars or to install heater pipes in existing cars and to insulate and put heater pipes in others. Assuming that cars programmed for construction are delivered on schedule and barring unforeseen disasters, the petroleum industry should find its tankcar needs adequately fulfilled. In regard to cars for liquefied petroleum gas, if the production of LPG pressure cars can be maintained for the balance of this year, the supply of cars should meet consumers' demands.

Chemical Industry

The construction of chemical cars is behind schedule because of the shortage of steel. A few spot shortages have resulted because of this, and more can be foreseen. Other shortages may develop as a result of the completion of chemical plants ahead of schedule and transportation facilities for them being behind schedule. It is hoped that such resultant spot shortages can be met by better utilization of existing equipment.

Miscellaneous Liquid Transport

The last quarter of the year is the peak shipping period of such major miscellaneous products as cottonseed oil, soybean oil, molasses, and refined syrup. As yet no shortages have been reported, and it is expected that there will be enough general purpose cars to handle the movement if they are employed efficiently.

Gen'l Dyestuff Issues Wallpaper Data

General Dyestuff Corporation, 435 Hudson street, New York 14, has issued three new circulars, G-682, G-683 and G-684, all entitled, "Lake Developers and Lake Color Bases for the Wallpaper Trade."

BIGGEST WAX NEWS IN YEARS!

Concord introduces

a versatile, easily-emulsified, uniform-quality wax

at a price that brings welcome savings

CONCORD WAX #407

47¢ PER POUND

FOB—Moorestown, N. J.

Figures, not words, write the headlines of this new, sensational Concord Wax development!

Refined Candelilla Wax	**Melting Point 71°C.**
#3 N. C. Refined Carnauba Wax	**Melting Point 81/84°C.**
REFINED CONCORD WAX #407	**MELTING POINT 86°C.**

Just figure the savings now possible through the use of Refined Concord Wax #407 at 47¢ per pound . . . compared with #3 N. C. Carnauba Wax at more than $1.20 per pound or Candelilla Wax at more than 75¢ per pound.

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Defense's Biggest Need

Today's most seriously needed defense material is human blood. Blood can prevent loss of life on the battlefields of the armed forces of the United States. Like ammunition, it can be used but once. Unlike ammunition, its adequate production and supply cannot be arranged by contract at any price. The supply is inadequate. The remedying of that shortcoming is a job for the individuals who constitute the civilian population of this country. The job is not being done.

Up to now, the supplying of blood for the needs of defense has been a voluntary service, without compensation. Because of its inadequacy, suggestions are being made that the draft for military service be extended to include the mandatory donating of blood by every person fit to make such donations. It is also suggested that such expanded military service be compensated for out of the funds set up for defense needs.

There are many pathologic conditions of the human body which make the blood unfit for transfusion. Therefore, there would be a numerous aggregation of 4F's under any blood-draft plan. As some of the reasons for such classification would be quite embarrassing for those to whom they would apply, it can be seen that the enactment of a blood-draft amendment to the existing law would be opposed, quite justifiably, to the point of impossibility.

Despite all concepts of patriotic duty, there is something to be said in favor of the compensating of those who provide blood for military purposes. All other materials, including medical supplies, are paid for; so are all other services of individuals. Blood transfusions in civilian medical service are by no means free.

Studies are being made in the use of the blood of lower animals for human transfusion. A Japanese research physician is reported to have made successful use in that connection of processed plasma of the blood of cows, horses, and pigs. Work with the whole blood has not been reported on.

The supply of plasma is more easily maintained, than is that of whole blood. Substitutes for plasma are being used with a goodly measure of success, at least in the emergency. Little is known about their long-range consequences, because, like plasma itself, they do not replace lost or damaged blood cells, and some of them may be antagonistic to natural cell replacement.

The big need is for whole blood. That has not yet been replaced by any artificial composition. But, it should not be beyond the possibilities of organic synthesis to develop a means of making or otherwise getting the chemical and physical constituents of blood. Some other branch of science would have to develop the mechanical (corpuscular transportation) distributing of the artificial blood. The need is much bigger than is any which attaches to much of what highly qualified science is busying itself with today.

One of the biggest handicaps to the adequate supplying of whole blood under any scheme of donation is the short life of blood outside the body. That presents a problem in physical or chemical preservation, which should have a strong appeal for workers in that area.

There is also the, at least interesting, thought that blood might be taken from dead persons, as eyes and other organs are taken, and transplanted into the living. That should not present much of a problem not met in the other transplantings, even though the supply would have to be washed out with, say, an artificial plasma.

Science, technology, and money are doing everything they can to provide destructive weapons of defense. They are providing also protective apparel and devices. Certainly the need for blood should get at least as much of their attention.

Energy Is Where You Make It

Energy is running a very close second to materials among the things whose inadequacy is heavily handicapping industry in its doubled task of producing for national needs. Atomic power is still but faint on the far horizon. Fuel, having been sort of sidetracked for water over recent years, does not have the opportunity to produce power to the extent of its potentialities. Water has been following its customary practice of not being where it is needed while roaming all over where it can do much harm and no good.

So, there is a big problem out in the Pacific Northwest about what to do to empower or energize a number of very important most necessary plants designed to produce various critical metals and all manner of widely necessary chemicals. Quite naturally concerned deeply over the situation, the Defense Production Administration has been trying to figure out something to do to improve things. It has not got very far, because water power cannot be hauled in on railroads, motor trucks, airplanes, or other vehicles of transportation—and the Northwestern plants depend on water power for their electric energy. Of course, the possibility of wiring electricity to them from other parts of the country does not exist: if power were available elsewhere—which it isn't—it would take all winter to string the power lines—if there was any chance of getting wire for them. The DPA suggestion that the plants be moved has just as much chance and is being abandoned. Congress is arguing a plan of erecting fuel-powered electric plants in the low-water regions.

It is interesting to interpolate that the Federal government is using a powerful lot of hydro-electric energy to run millions of gallons of water a minute through pumps on rivers in Washington (state), California, and Colorado to irrigate a big expanse of arid agricultural acreage in those states.

The Department of the Interior and the Federal Power Commission have endorsed a big idea of harnessing the wind for the production of electricity. On a small scale, that source of power is nothing new. But, this is a horsepower matter of, at least, today's commonplace billions. Congress has come in on the thing—no; it is not being looked to as the source of the wind—and some of its members are all het up over it. While it is admitted that the wind might be still more wayward than water as a reliable source of power, the feeling is that, set on top of a mountain here and there, the windmills could be used to fill in gaps while hydroelectric dams were closed until a new supply of water was accumulated. The team of wind and water would work in tandem, rather than abreast.

Business is beginning to do some deep thinking on its own about how to fix itself up with a continuous supply of energy. The mechanics of the question is relatively simple—when compared with the politics.

For the Bookshelf

AN INTRODUCTION TO PAINT TECHNOLOGY—A Survey. Cloth; ij+137+vii pages. New York: Chemical Publishing Company. $3.25

Six years ago, the London section of the Oil and Colour Chemists Association got the idea that a series of refresher lectures would be good for paint technicians in course of readjustment from the things of war. This was carried out in five dissertations given nine members of the association as teams in three areas of the city in March and April, 1946, and repeated in one section in June.

The lectures were so well received and did so much good that the OCCA council decided to make them widely available in book form. This book has now been published also in the United States.

The contents are divided into four parts:—(1) oil, varnish, and lacquer media, (2) pigments, (3) paints, enamels, and other pigmented finishes, (4) the manufacture of finishes. These comprise a total of thirty-six topics, which, the index shows, encompass 335 items.

As the lecturer-authors of this compilation stand at the head of paint technologists in Britain, the value of their contributions is high indeed.

STATISTICAL ENGINEERING IN THE CHEMICAL PROCESS INDUSTRIES. By James R. Thomen. Edited by David Dendel Hertz and Sebastian B. Littauer, of the engineering division of R. S. Aries & Associates. Paper; 48 pages, lithoprint. New York: Chemonomics, Inc. $2.

This is a collection of abstracts of articles in the area defined by its title. Typical abstracts concern themselves with statistical control of the accuracy of routine analyses, evaluation of errors in spectrochemical analyses, quality control in the chemical laboratory, analytical procedures in microbiological assays, determination of peroxides in fats, studies on electrometic titration, control of paper quality.

Dr. Hertz and Dr. Littauer have contributed to the book a practical example of statistical engineering applied to a chemical problem. They detail the evaluation of a catalyst in a pilot plant. Brief discussions on where statistical engineering can and should be used by the chemical industry complete the monograph.

Washington Talks It Over

—*Continued from page 5*

and ammunition are," he said. "We need to have plenty of fresh and preserved vegetables and fruits available at all times, to provide our families and defense forces with sufficient amounts of these protective and nutritious foods. We are asking the committee to survey the work that has been done this year in gardening and home food-preservation and to give us and the organizations interested the benefit of their suggestions as to plans for the future."

The committee is made up of persons in a variety of occupations and interests, from agricultural publications to nurseries and educational groups. But no where on the list could be found anyone from the fertilizer or the pesticide industry, whose products for the average home gardener rank next in importance to the seeds he plants.

Dog Tags for Everybody

Something in the nature of a reminder that the United States is still facing a crisis came from the Federal Civil Defense Administration the other day. It was a recommendation that every person in the country wear around his or her neck or arm a metal tag telling name and address, blood type, religion, and name and address of a person to be notified in case of injury or death.

The agency said that the tag should be of chrome steel of type 430 or some other type having a high melting point and oxidizing slowly at high temperatures because the laboratory tests show that this steel reacts negatively to radioactivity. It is estimated that about 5,700 tons of the steel will be needed to make 150,000,000 tags, bracelets, and clasps.

FCDA studied other means of identification for the time when the bomb drops, such as fingerprinting, records of dentures, birthmarks and other superficial body marks, and permanent laundry marking of clothing, but none of these offered the advantages of the metal tag in simplicity, serviceability, and availability at minimum cost.

Tax Reform Tackled Again

The house has given its stamp of approval to another study and investigation by its ways and means committee of overlapping and duplication in the tax structures of federal, state, and local governments. The suggestion is again being made that some fields of taxation should be reserved exclusively to one taxing authority or another, and that possibly the federal government should do all the collecting in some areas and rebate a portion to the states.

These investigations of overlapping and duplications in taxes are not new—they have been going on, off and on, over the past twenty years. They seem to almost follow a pattern—first Congress passes a new increase in taxes and then, as if to take off some of the curse, either the Senate or the House will look into the matter of duplications and overlappings. Little or no space is required to record the results of the studies in terms of eliminating duplications. The only thing that is missing in the present suggested investigation is the time-worn idea of a "simplification" of the federal government's tax structure.

The resolution adopted by the house instructs the ways and means committee to report the results of its study and such recommendations as it feels should be made sometime before January 3, 1953—by which time everyone will have forgot the increase now imminent and probably will be getting prepared for another.

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Ferric Potassium Oxalate

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Heavy Chemicals

Lead and zinc price ceilings were adjusted to a higher level last week by OPS. It was stated that about one-third of the lead and zinc consumed in the United States comes from foreign sources, and the wide differences between world and domestic prices for these strategic and critical metals has had a serious effect upon the stabilization program and the defense effort. The upward revision is one step in the program announced by the director of defense mobilization. While the various salts of these metals were unchanged in price, their background has been materially strengthened. Cobalt metal was also advanced and an upward revision in the prices of cobalt based chemicals is expected shortly. Cobalt was the first strategic metal to be placed under allocation. Silver was lower under a slow demand and increased stocks.

Overall demand for heavy chemicals appeared to be holding at the Summer level. First-hand stocks of soda ash have increased and there is no shortage of caustic soda. Slow buying from the soap trade has eased the supply of caustic potash, and the call for potassium carbonate from glass plants remains down. There was no easement in the supply of potassium permanganate. Producers have brought the salt cake market into balance regardless of a strong demand from the kraft paper mills. Plenty of white arsenic appeared to be available for prompt shipment as the advance in lead has temporarily postponed the agricultural demand. Carbon tetrachloride, chlorine and sulphuric acid gave no indication of easement.

Fifteen wholesalers of industrial chemicals reporting to the Bureau of the Census aggregate sales of $2,983,000 in August showed a loss of 4 percent from July. Ten wholesalers showed a gain of 7 percent in inventories. In comparison with August, 1950, their sales were down 11 percent and their inventories were increased 44 percent.

Paper production based on a percentage of six-day capacity was 100.6 percent for the week ending September 29, according to the American Paper and Pulp Association. This compared with 99.5R in the preceding week and 100.6 for the corresponding week in 1950.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammoniac, Sal—White granular has remained in balance with producers in a position to accept new business for prompt shipment. Demand was not unusually active over the turn of the month. The battery trade is about normal, with no important government purchases to date.

Arsenic—Consumers are not finding the availability of stocks much of a problem at present. In producing quarters it was stated that the supply situation was comfortable and fully sufficient to meet any normal requirements. Demand from the glass plants is steady but it is too early for the insecticide trade to make known their requirements.

Calcium Phopshate—Dibasic production in July was placed at 2,366 tons, compared with 2,372 in the preceding month and 2,223 tons in July last year.

Chlorine—Maintenance of strong demand kept the supply position tight with no immediate permanent easement in sight. July production was at the highest monthly level on record. The total for chlorine gas was 210,427 tons, compared with 202,693 in the preceding month and 173,788 tons in July last year.

Cobalt—Bureau of Mines states that the largest single use for cobalt in July was for the cast cobalt-chromium-tungsten-molybdenum alloys, which accounted for 52 percent of the total cobalt consumed but utilized 3 percent less than in June. The second-largest use was for magnet alloys, which accounted for 19 percent of the total cobalt consumed but utilized 19 percent less than in June. Less cobalt was also used in high-speed steel, cemented carbides, and ground-coat frit. These losses, however, were partly offset by larger usage of cobalt in cobalt-alloy steels, alloy hard-facing rods, and pigments.

The metal is in short supply and priced higher at $2.40 per pound, New York or Niagara Falls.

Cobalt Salts — July production of carbonate was 9,709 pounds gross weight, according to the Bureau of Mines. Shipments were 8,056 pounds and stocks on July 31 were 3,082 pounds, compared with 1,429 on June 30. Output of sulphate in July was 86,335 pounds, shipments 57,201 pounds and stocks at the close of the month 58,747 pounds, against 29,613 on June 30.

Copper Sulphate—Available stocks continued exceedingly tight with producers quoting February shipments and mostly the latter half of that month Buying interest from Florida remained active for agricultural use with demand strong for industry and no relaxation in sight. Orders are booked at prices time of shipment. There was still plenty of export inquiries in the market.

Production of copper sulfate in August dropped 14 percent to 7,740 tons which is the smallest monthly total of the year, according to the Bureau of Mines. Shipments were 7 percent less at 7,452 tons and except for January were the lowest of the year. For the second successive month shipments were less than production and stocks rose 10 percent over July to 3,396 tons. Inventories were sufficient for two week's requirements at the August rate of shipments.

Potash, Caustic—Supply position comfortable with overall demand relatively slow but showing faint signs of betterment. In producing quarters it was stated that the soapmakers are taking on stocks but in much smaller dimensions than usual. Prompt shipments are available.

Potassium Carbonate — Slow demand from glass specialty plants is reflected in larger producer inventories. It appears as though there are enough television tubes to match demand and then some. According to trade reports, buying interest in television sets has relaxed materially compared to sales early in the year.

Potassium Permanganate—No easement in supply conditions could be noted. Consuming demand is maintained at a level over production and the market position has remained tight.

Salt Cake—Producers state that output is taking care of requirements without unusual difficulty. Demand from the kraft paper mills has continued steady but without pinching the supply position. Production of crude commercial in July was placed at 53,913 tons, compared with 62,728 in June and 39,443 tons in July last year.

Soda Ash—Producers' inventories have increased, the supply being freer in some quarters than in others. It was stated that demand is holding at about Summer levels but has not increased. According to trade reports, no price changes are expected for contract renewals.

Soda Caustic—Consumers are receiving all the material they desire at the present time. The let-down in demand which started last Spring has not increased sufficiently to tax production and first hand inventories have steadily increased. Liquid is in freer supply than the dry forms although both were offered by producers on spot during the past week.

Sodium Chlorate—Pressure for shipments has eased with the passing of the weed control season and the market's supply position is in better shape than a month ago. Additional stocks for immediate shipment are not yet available but October-November deliveries can be booked at former price levels.

Sodium Phosphate—Meta production established a new monthly high in July at 4,395 tons. June output amounted to 4,084 tons and in July last year 3,168 tons were produced. Tetra production in July was placed at 7,273 tons, compared with 7,712 in June and 6,352 tons in July 1950. Acid pyro also recorded a new high monthly record in July at 1,105 tons, against 791 in June and 749 tons in July last year. Tripoly showed 25,469 tons in

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cobalt, 30c. per lb.
Lead, 2c. per lb.
Zinc, 2c. per lb.

Prices Reduced

Silver, 2.16c. per ounce.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
245.2	245.2	245.2	223.4	233.8

Acids

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
126.1	126.1	126.1	121.9	122.3

(For Current Prices see Page 9)

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July, compared with 25,954 in June and 20,260 tons in July 1950.

Acids

Acetic — Supply and demand have remained about in balance for glacial. Slow demand from rayon mills has been offset by an active inquiry for acetates. The market at present holds a competitive position with producers quoting $9 for tanks and others $11.50 per 100 pounds.

Hydrofluoric — Stocks have tightened substantially over the past few weeks and this condition is reflected in the various fluorides. Contract consumers to date are receiving their regular amounts but producers are not inclined to consider new business at the present time. The stringency stems from sulphuric acid.

Phosphoric—July production amounted to 152,114 tons including 74,650 made from phosphorus and 77,464 tons from phosphate rock. June production was revised to a total of 141,107 tons and in July last year 141,107 tons were made.

Sulphuric—Remained exceedingly tight with more demand than supply. July production totaled 1,077,216 tons including 211,708 made by the chamber process and 865,508 tons by the contact process. June output was revised to 1,066,421 tons and in July last year 1,047,544 tons were produced. The amount of fortified spent acid recovered in July was 84,209 tons, against 81,736 in the preceding month and 76,188 tons in July last year.

Nonferrous Metals

To assure maximum output of consumer durable goods with fourth-quarter allotments of steel, copper and aluminum, the National Production Authority, has issued a new order permitting flexibility in the use of these controlled materials. Order M-47B succeeds M-47A, which had controlled the use of steel, copper and aluminum products. The new order also continues the conservation provisions of M-47A governing the use of copper and aluminum for ornamental and decorative purposes. The order prohibits the use of copper or aluminum for any ornamental or decorative purpose on any of the listed products, although both metals may be used in the manufacture of jewelry. For further conservation, the order forbids use of a greater quantity or better grade of copper or aluminum than necessary for functional or operational purposes. NPA officials pointed out that initial fourth-quarter allotments for consumer durable goods will result in further reductions of output.

NPA has revoked seven orders controlling distribution and uses of critically short ferro-alloying materials. These revoked orders have been superseded either by order M-80 or M-81. The nullified orders are M-10 (cobalt); M-14 (nickel); M-30 (tungsten); M-33 (molybdenum). Provisions of M-30 and M-33, relative to pure tungsten and pure molybdenum were superseded by M-81, issued August 15, 1951. Revocation of the orders does not relieve any one of obligations or liabilities incurred under them nor deprive affected persons of any right afforded prior to October 1.

In a decisive move to break the log-jam of undelivered orders for copper and aluminum now backed up on mill order boards, the NPA Authority, U. S. Department of Commerce, has ruled that any unfilled order calling for third-quarter delivery which is not shipped by October 7 must be charged by a customer to his fourth-quarter CMP allotment. Previously, an authorized controlled material order accepted by a mill for delivery during the third quarter might be filled at any subsequent time and still be charged against a third-quarter allotment.

Aluminum Scrap—OPS has modified its aluminum scrap ceiling price regulation (CPR 54) with respect to sales of wrecked aircraft by the United States Government. Under regulations of the General Services Administration, sales of surplus property by the U. S. Government must be made either on a point of shipment basis or a "where is" basis. CPR 54 sets ceiling prices for aluminum scrap on a delivered basis. Accordingly, CPR 54 is modified to permit government sales of wrecked aircraft on an f.o.b. point of shipment basis, or on a "where is" basis. The ceiling price on an f.o.b. point of shipment basis will be the applicable ceiling price listed in Table A of the regulation, less

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1½c. a pound. If made on a "where is" basis the reduction will be 2c. a pound.

Antimony—Domestic mine production of antimony increased 34 percent in July as compared with June, and was 27 tons above the monthly average for the second quarter in 1951, according to the Bureau of Mines. This increase was accounted for in part by the opening of several new mines. Smelter production in July increased nearly 43 percent compared with June, but was 27 tons less than the second quarter monthly average. July production was 1,156 tons. Industrial consumption decreased nearly 26 percent in July, as compared with June, amounting to 1,071 short tons. This decrease was partly due to plant shutdowns and vacations during the month. The flameproofing industry increased its requirements 22 percent during July, consuming 299 short tons of antimony oxide, as compared to 245 tons in June.

Stocks held by industrial consumers and dealers on July 31 were 4,536 short tons of contained antimony, while those held by producers and smelters were 2,470. Total stocks on hand end of month amounted to 7,006 tons, an increase of 6 percent over the 6,595 tons reported on hand June 30. Total imports increased substantially in July, amounting to 1,955 tons, an increase of 721 tons over the 1,234 tons imported in June.

Copper—NPA has revoked Order M-12 which imposed limitations on the use of copper and copper-base alloys. Also revoked by the action are directions 1 and 2 to M-12. These instructions permitted certain manufacturers to make automatic adjustments in their base-period consumption of copper and copper-base alloys during the first and second quarters of 1951.

Director of Defense Mobilization announced recently that the President had authorized the release of 30,000 tons of copper from the national stockpile for defense needs. This is the second such recent withdrawal made to overcome the current shortage of the strategic metal. On August 17, the release of up to 25,000 tons of copper from the stockpile, to be reimbursed by June 30, 1952 was announced.

Lead—Price ceiling has been lifted 2c. per pound to 19c. by the government. OPS has taken this action to assure essential supplies at a stable and reasonable price. This places a ceiling on what the consumer in the U. S. may pay for lead in foreign countries for the first time. Formerly U. S. consumers could pay whatever they had to for lead purchased abroad and were only under price ceilings if they resold the metal in this country.

Magnesium—Consumption of magnesium, which has been progressively increasing since 1947, continued to rise at a greater rate in 1950. The increased demand stimulated an increase in production of 35 percent over 1949 to 15,726 ingots. World production of magnesium for 1950 increased 14 percent over 1949. More than one-third was produced by the United States. the remainder chiefly by the U.S.S.R., United Kingdom, Canada and France, according to the Bureau of Mines.

Manganese—Domestic mines continued to increase shipments of manganese ore containing 35 percent or more manganese in May according to the Bureau of Mines. Domestic production of 10,300 short tons was reported from Arkansas, Montana, Nevada and Oregon. A total of 121,844 short tons of manganiferous iron ore and ferruginous manganese ore (5 to 35 percent manganese) was shipped from Arkansas, Minnesota, Montana, and New Mexico, as compared to 95,306 tons in April with 94 percent of the ore originating in Minnesota. Imports of ore containing 35 percent or more manganese were 72,868 short tons in May as against 158,866 tons for April.

Platinum—Bureau of Mines states that refining of platinum in the first quarter of 1951 was at a rate of 29 percent less than in the preceding quarter, but imports of refined platinum (48,132 ounces) were 3 percent more. Sales of platinum to domestic consumers by refiners and dealers who accounted for 95 percent of the total sales in 1950 were 43,202 ounces, indicating total sales to domestic consumers of approximately 45,475 ounces, compared with 70,400 ounces in the preceding quarter. Exports of platinum, as reported to the Bureau of Mines by refiners and dealers were 1,391 ounces in the second quarter compared with 3,964 ounces in the preceding quarter. Stocks of platinum of refiners and dealers increased moderately.

Quicksilver—Market situation quiet with buyers and sellers inclined to await future developments. At the close of the week $220 to $223 per flask was named while it was reported that earlier in the period, the sale of 300 flasks was made at $218.

San Francisco.—Inquiry continues fair to moderate with business on the quiet side. Stocks remain limited with price advances bringing present quotations of metal to $225 per flask.

Silver—Priced lower at 88c. per ounce, after an earlier price of 84¾c. Stocks have been steadily increasing while Fall buying has not been up to seasonal expectations.

Tungsten—House Ways and Means Committee has approved a bill to suspend the $8 a ton import duty on tungsten for two years from the date of enactment of the measure or the end of the national emergency, whichever comes first. The bill contains an escape clause which would allow reimposition of the tariff if the domestic price goes below $63 a ton and remains there for a month. Tungsten is one of the important defense metals now in short supply.

Zinc—OPS has advanced the ceiling price 2c. to 19½c. per pound. In order to avoid undue hardship and to permit a readjustment of existing contracts, the new price will not apply to any material which is now in transit or to any material purchased under a written contract entered into before October 2, 1951, if the material is shipped on or before November 30, 1951, and if copies of the contracts are filed with OPS by October 20, 1951.

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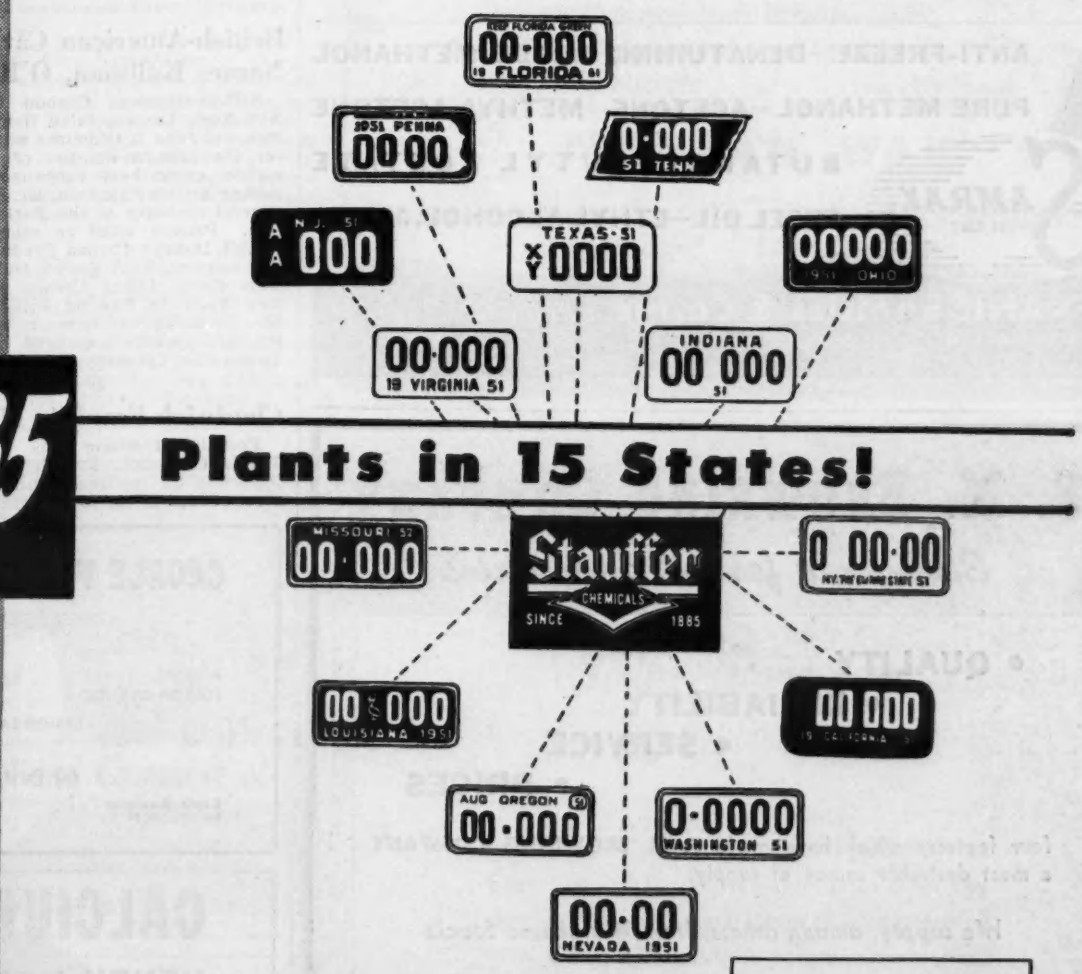

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Named by Solvay Process to Executive Posts

Dr. C. S. Fazel (left) has been made a vice-president of the Solvay Process Division, Allied Chemical & Dye Corporation, New York. Dr. E. D. Crittenden (right) has been named to succeed Dr. Fazel as director of development for Solvay's nitrogen section at Hopewell, Va. E. W. Bowen has been appointed assistant director of development for the nitrogen section. Both Dr. Fazel and Dr. Crittenden were employed by the fixed nitrogen research laboratories of the Department of Agriculture before joining Solvay's research organization in 1926. The latter has been chief of research for the nitrogen section for the past six years. Mr. Bown, who joined Solvay at the Syracuse, N. Y., plant in 1925, has been chief engineer of the nitrogen section since 1940.

British-American Carbon Names Kallman, O'Rourke

British-American Carbon Corporation, New York, has appointed Daniel W. Kallman and John T. O'Rourke sales engineers for the eastern division of "Delanium" carbon cubic heat exchangers. Before joining British-American, Mr. Kallman was general manager of the Parlam Corporation. Parlam acted as sales agent for Powell Duffryn Carbon Products, Ltd., in this country, until Powell Duffryn joined with Great Lakes Carbon Corporation, New York, in forming British-American. Mr. O'Rourke was formerly employed by the Alco products division of American Locomotive Company as a sales engineer.

Chadwick Franklin Medalist

Franklin Institute has selected Sir James Chadwick, British scientist who identified the neutron as part of the nucleus of the atom, to receive the Franklin Medal. The award, made annually since 1914 to the worker in physical science or technology whose work did "the most to advance a knowledge of physical science or its application," will be presented to Sir James October 17.

Philadelphia Chemical Club Sets Golf Outing October 9

The Philadelphia Chemical Club will hold its next golf outing October 9 at St. David's Golf and Country Club. This represents the final official meeting of the club in competition for the Blaw-Knox Cup. The cup was donated by Blaw-Knox Company, represented by Wendall Simmons in Philadelphia. Mr. Simmons has donated a small cup for the low net winner each month, with the large cup going to the member who has compiled the greatest number of points for the entire season based on attendance and low net score.

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Lignite Gas Facilities In Experimental Run

About 10,210,000 cubic-feet of potential industrial gas were produced from lignite during the eighteenth experimental run recently completed in the Bureau of Mines pilot plant at Grand Forks, N. D., it has been announced by Paul Zinner, regional director, region V.

The test run, longest to date, was voluntarily shut down after 947 hours of successful operation and used 438,415 pounds of lignite donated by six mining companies located in North Dakota and Saskatchewan, Canada. The railway provided free transportation of the lignite to the plant. The Grand Forks pilot plant is a separate installation from the new $750,000 Charles R. Robertson Lignite Research Laboratory officially dedicated September 29.

About 85,000,000 cubic feet of gas has been produced during the eighteen runs that have been made since the Grand Forks pilot plant began operating in 1945. The gas, which may provide a way to make greater use of the nation's 355,725,000,000 tons of recoverable lignite reserves, could be used, it is said, in producing synthetic liquid fuels, reducing iron ore, manufacturing ammonia, and for the hydrogenation of vegetable oils and fats.

T. G. Crane Named Head Of Monsanto (Australia)

Thomas G. Crane has been appointed managing director of Monsanto Chemicals (Australia), Ltd., Melbourne, Australia. Mr. Crane, who for the past year has been deputy managing director, succeeds Dr. James H. Lum who will return to the United States for a new assignment. He has been associated with Monsanto for the past nineteen years.

ASTM Locals to Meet In Buffalo, San Francisco

The western New York-Ontario district council of the American Society for Testing Materials will meet October 24 at 8 p.m. at the Sheraton hotel, Buffalo, N. Y. Truman S. Fuller, engineer in charge of the works laboratory, General Electric Company, Schenectady, N. Y., will be the speaker of the evening. He will discuss "Solving Materials Problems in the Electrical Manufacturing Industry."

ASTM's northern California district and the San Francisco Bay area section of the National Association of Corrosion Engineers will hold a joint meeting October 31 at 8 p.m. at the Engineers Club, San Francisco, Calif. Speaker will be F. L. Laque, in charge of the corrosion engineering section of the development and research division, International Nickel Company, New York, who will talk on "Corrosion Testing and Engineering."

Hooker Assigns Miller

Harris C. Miller has been assigned to sales territory comprising upper New York state and western Pennsylvania, according to R. E. Wilkin, general sales manager of Hooker Electrochemical Company, Niagara Falls, N. Y. Mr. Miller has been with the company since 1941. Since 1949 he has been in sales work both in the New York area and in the sales offices at Niagara Falls. In his new post he will make his headquarters at Niagara Falls.

Solvay Names Seener

Solvay Sales Division, Allied Chemical & Dye Corporation, New York, has appointed E. J. Seener manager of the St. Louis, Mo., branch. Mr. Seener succeeds Neal M. Draper, who has been transferred to Solvay's executive offices in New York as manager of the ammonia and potassium products department (OPD, 9/10/51).

American Can Expanding

An expansion program that will almost double the annual container manufacturing capacity of American Can Company's plant in St. Paul, Minn., has virtually been completed, it has been announced. Several new production lines, each capable of turning out up to 400 cans a minute, have been installed.

Trade Briefs

Continental Can Company has elected Walter Betz assistant secretary.

Parker Appliance Company, Cleveland, Ohio, has issued catalog 5400 which describes twelve different compounds for thread sealing and valve lubrication.

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Textile and Leather Chemicals

While consumers continued to operate cautiously, placing orders for prompt, requirements, the market for textile and leather chemicals remained steady. Tight supply conditions continued to feature bichromates and sodium hydrosulphite and one producer announced 1 cent advance for acetic anhydride, effective November 1 to meet a recent similar raise from another quarter.

Feature of the sizing materials group, was the advance of ½ cent per pound for potato starch by Maine grinders. Supplies there have been depleted and mills have not resumed production due to scarcity of available potatoes for grinding operations. Idaho producers have not advanced quotations and market was strong.

Buying interest in sizing materials was restricted to actual requirements, with a fair volume of business passing at unchanged and steady quotations.

There was no improvement in the quiet demand for tanning material replacements from abroad, while one producer of domestic chestnut extract announced a fractional price advance which was not met by other makers.

The national average support price for 1951 corn crop will be $1.57 per bushel, it was announced by the Agriculture Department. This reflects 90 percent of the October 1 parity price and is 3c. higher that the minimum average of $1.54 per bushel, which was announced last February in advance of planting time. Price support for 1950 crop averaged $1.47 per bushel for the commercial corn area where acreage allotments were in effect. Loans and purchase agreements will be available to farmers from harvest time through May 31, 1952, and mature on July 1, 1952.

Market Trends

Prices Advanced

Potato, starch, Maine, ¼c. per lb.
Valonia beards, $6 per ton.
cups, $3 per ton.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
320.5	320.4	319.6	225.1	247.7

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Producers were still one cent apart, though the lower seller, announced that the price would be raised 1c. per pound, effective November 1, making the schedule uniform. At present the market ranged from 13½c. to 14½c. per pound, tankcars, freight allowed; 15c. to 16c., drums, carlots and 16½c. to 17½c., drums, less carlots.

Bichromates—Steady consuming demand was noted against former contracts, which absorbed the production. Supply condition remained tight. Prices were without change and strong. Export inquiry was keen but limited offerings still restricted actual business.

Sodium Acetate—This market remained steady. Demand was moderate for prompt needs. Prices were firm and unchanged. Anhydrous, was quoted at11½c. per pound, drums, carlots and 12¼c. for smaller quantities. Diacetate, technical was quoted at 13½c. barrels, carlots and 14¼c. for less, and anhydrous 16c. per pound, drums, carlots and 17½c. less carlots.

Sodium Hydrosulphite—Supplies continued in limited supply. Consumers continued to take the output against former contracts. Export demand continued active. Prices were firm, at 24½c. per pound, drums, carlots and 25c. for smaller quantities.

Sulphonated Oils—Trading was confined to actual requirements. Sulphonated castor oil was stronger due to higher cost of basic oil. Tallow was unchanged for small lots, while carlots could have shaded asking prices.

Sizing Materials

Blood Albumin—Production continued affected by light cattle slaughtering. Market was unchanged and firm. Demand was active and producers allocated supplies to consumers. Albumin blood was held at 70c. to 80c. per pound, depending upon quantity. Dried soluble ranged from 18c. to 19½c. per pound, carlots and 19c. to 25c., less carlots.

Corn Dextrin—Market remained steady, despite limited trading. Consumers continued to take supplies for actual needs. Prices were maintained for all grades.

Corn Starch—Trading was confined to prompt delivery. Prices were without change and steady. Visible corn supply declined 31,000 bushels to 29,327,000 bushels for the week ended September 29, compared with 38,355,000 bushels a year ago, according to the Chicago Board of Trade.

Egg Albumen—Consumers absorbed moderate quantities for prompt delivery. Market remained steady and unchanged. Flake ranged from $2.02 to $2.04 per pound, and powder at $2.06 to $2.08, depending upon quantity. Technical was held at $1.07 to $1.09 per pound as to quantity.

Dried egg production during August totaled 495,000 pounds compared with 5,199,000 pounds during August last year. Production consisted of 15,000 pounds of dried whole egg, 266,000 pounds of dried albumen and 214,000 pounds of dried yolk. Dried egg output for the first eight months of this year totaled 15,523,000 pounds compared with 85,692,000 pounds during the same period last year.

Egg Yolk—Demand was reported of fair volume for prompt requirements. Prices were well held at current levels, ranging from $1.32 to $1.34 per pound, depending upon quantity. Production of yolk totaled 214,000 pounds during August against 127,000 pounds in the same month last year.

Potato Starch—Depleted stocks in Maine and lack of potatoes resulted in grinders raising quotattions ¼c. to 6¼c., per pound, carlots, mills, while Idaho starch was unchanged at 5¾c., f.o.b. mills. Trading was moderate for spot delivery. Spot stocks were unchanged at 8c. to 8½c. per pound, exwarehouse, according to quantity.

Tapioca Flour—Trading was light, chiefly for actual needs. Inquiry for shipment from Brazil continued slow. Spot stocks were quotably unchanged and steady. High grade Brazilian was quoted at 7¾c. to 8¼c. per pound, and mediums, 7c. to 7½c. per pound, exwarehouse, as to quantity. Stocks of low grade were scarce on spot and for shipment from Brazil.

Tanning Materials

Sole leather was firmer and some grades were held at advanced prices. Increased cost of hides has strengthened the market, and recent price advances were sustained. Trading in leather was reported still spotty, though the volume of business booked during the last fortnight showed moderate improvement. Consuming inquiry for calf leather was light, but prices remained steady at the recent advance. National Production Authority authorized tanners to purchase hides and skins at 100 percent of the 1950 monthly average and allotted 1,817,000 cattlehides against 1,876,200 in September; calfskins, 789,300 against 813,800 and kips, 258,200 against the same total in September.

Chestnut Extract—While trading was spotty, this market remained firm, due to limited available supplies. One producer advanced liquid 25 percent tannin to 4.40c. per pound, tankcars, works, while others continued to quote 4.25c. same basis.

Cutch—Trading was slow, but the market remained steady at 8c. per pound, exdock, duty extra.

Mangrove Bark—Consuming inquiry continued inactive. Offers for shipment were without change. South American bark was easy and offered at $57 per ton, exdock. African was quoted nominally at $82 per ton, exdock.

Quebracho Extract—Business was reported slow at the recent price advance. Offers for shipment were well held. The Navy Purchasing Office, N. Y., asked bids for 2,000 pounds of quebracho extract, in 100-pound bags for delivery to Washington, D. C., 2,000 pounds, Charleston, S. C., 1,000 pounds, Pensacola, Fla., and 1,000 pounds, Clearfield, Utah. Delivery to be made during November, 1951. Bid number is 9634 and bids will be opened Oct. 24, 1951.

Valonia—Primary market was firmer and shipments were advanced for cups and beards. Cups were higher at $65 to $67 per ton and beards, at $86 to $87 per ton exdock. Buying interest continued light.

Wattle—Offers for shipment were still limited and closely held at former levels. Fair average bark was maintained at $106.50 per ton and merchantable at $103.50 per ton, exdock. Extract was quoted at 11½c. per pound, exdock, duty extra.

For Late Market Developments, See Page 4

Armour Foundation to Study Leather Industry in Jamaica

Production of better leather products is the objective of a new research project to be conducted on the British island of Jamaica by Armour Research Foundation of Illinois Institute of Technology. S. W. Schwartzman, foundation biochemist and microbiologist who is an authority on leather tanning operations, already has left the United States to head the project, sponsored by the Harty Leather Company, Ltd., Kingston, Jamaica.

Thomas P. Collier, manager of the foundation's international division, in announcing Mr. Schwartzman's departure, said this is the first such project the foundation has conducted in the British West Indies. Its purpose, he added, is to incorporate the latest technological improvements in the production of leather, to standardize the Jamaican firm's entire operations, and investigate possible uses of tannery by-products.

Hills-McCanna Promotes Two

Hills-McCanna Company, Chicago, has promoted Fred R. Grassle, secretary, to assistant to the president. He retains his duties as secretary. R. T. Kidde has been named general sales manager of all divisions. Hills-McCanna manufactures valves, proportioning pumps, force feed lubricators and graphic arts supplies and operates a magnesium foundry.

Clark, duPont Planning Section Manager, Retires

Cantwell Clark, manager of the planning section of the nylon division of E. I. duPont de Nemours & Co., Wilmington, Del., has retired after thirty-six years with the company. He joined duPont in 1915 as an assistant engineer in the engineering department at the Barksdale, Wis., commercial explosives plant.

Mr. Clark became a supervisor of the high explosives operating department at the Repauno Works, Gibbstown, N. J., in 1916, transferring later in that year to Wilmington. From 1918 to 1923 he was assistant to the director of high explosives manufacture. After holding various posts at Repauno, Barksdale and Carl Junction, Mo., he became associated with the new duPont rayon operations as a superintendent at the Yerkes plant, Buffalo, N. Y., in 1925, and two years later was made chief supervisor of the plant.

He was appointed chief supervisor of the Old Hickory, Tenn., rayon plant in 1928. In 1942 Mr. Clark was named plant manager at Buffalo, and three years later became manager of the Martinsville, Va., nylon plant where he remained until 1947, when he became planning manager of the nylon division.

Phillips Chemical Names 2

Phillips Chemical Company, Bartlesville, Okla., has appointed W. C. Hewitt superintendent of operations and L. H. Dowell staff assistant to the vice-president and general manager. Mr. Hewitt previously was a process consultant, while Mr. Dowell formerly was chief accountant in the chemical manufacturing section of the comptroller's department.

Trade Briefs

Libbey-Owens-Ford Glass Company has named Don W. Lyon manager of textile sales in its new fiber glass division.

Seymour Patinkin has been awarded a fellowship in chemistry for a year's study of the structure of tetracene at the Illinois Institute of Technology, Chicago.

Morris S. Rosenthal, president of Stein, Hall & Co., New York, has been selected as a member of the United States delegation to the United Nations Economic Commission for Asia and Far East Regional Conference on Trade Promotion, to be held October 9 to 18 in Singapore.

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PAINT SHOW EXTRA
NINE WAYS NUODEX SERVES THROUGH RESEARCH

The Nuodex display at this year's Paint Show demonstrates the variety of ways "Nuodex Serves Through Research" to improve your products, solve your problems, aid defense. Here are nine examples, taken from the display, of how Nuodex research attains these objectives:

1. Provides dependable reproducible drying with the only certified liquid driers.
2. Develops informative data on drying and drier behavior.
3. Investigates how to conserve critical materials while maintaining drying power.
4. Adds proved mildew resistance with AD-IT, our patented paint fungicide.
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7. Controls skinning with the Exkins, newly developed anti-skinning agents.
8. Studies new techniques for speeding mixing and milling.
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If you're at the Show, visit Nuodex at Booths #73 and 74. But whether you are or not, remember to take advantage of the many ways Nuodex Serves Through Research!

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Agricultural Chemicals

Sharp advances in 2,4-D and the isopropyl ester were recorded last week to cover increased costs of production. The only other price advance was in tankage where the feed demand was active enough to lift the market fractionally higher. A substantial price decline was registered in allethrin where expanded production facilities and a broader market have permitted producers to offer a more favorable schedule to buyers. Cube root and derris root prices were reduced in quiet markets occasioned by the passing of the active season. Both BHC and DDT were available although there was no surplus of the latter as a result of a strong export demand.

Superphosphate continued quiet and tight with the sulphuric acid shortage expected to clip about 20 percent from the season's output. A mild interruption was noted in domestic potash shipments resulting from spotty boxcar shortages but no serious scarcity to date. Synthetic ammonium sulphate remained exceedingly tight with no stocks available for export. Coke-oven sulphate was tight also but not as short as synthetic. Seasonal demand for sodium nitrate was covered readily from suppliers' inventories.

Sales of fertilizer tax tags in the 13 reporting states during the first seven months of this year were about 6 percent higher than during the same period of 1950, according to the National Fertilizer Association. Tag sales during the past few years have been about 55 percent of the total U. S. fertilizer consumption.

Tax tags representing the equivalent of 6.3 million tons of fertilizer were sold in the 10 reporting southern states from January 1, 1951, through July 31, 1951, compared to 5.9 million tons during the like period of 1950. Midwestern sales were 1.4 million tons against 1.3 million tons during the same seven-month periods.

Nitrogenates

Ammonium Nitrate—Production of original solution was higher in July. The total amounted to 112,044 tons and included 97,137 of fertilizer grade and 14,907 tons of all other grades. In June output amounted to 95,525 tons and in July last year 94,001 tons were made.

Ammonium Sulphate — July synthetic technical gained in output in July over June but remained materially below July, 1950. The shortage of sulphuric acid is seriously affecting production. The total for July was 52,553 tons, compared with 45,671 in the preceding month and 71,428 tons in July last year. Most suppliers describe the current market as tight. There is an extreme shortage of stocks for export with demand strong and increasing.

Bone Meal—Market firm at the late advance with demand sustained at a high level. Sales of raw reported at $70 per ton and steamed at $72.50 f.o.b. the works.

Castor Pomace — No relaxation in the fertilizer demand but no offerings reached the market last week. It was stated that high prices for castor beans at supply sources have kept production of oil down.

Dried Blood—Feed demand was active enough to hold prices at the recent advance but the buying power was not sufficient to lift the market to a higher level.

Fish Meal—Firm with menhaden offerings definitely tight. The market in the Baltimore area was quoted at $135, with a ceiling at $135.60 per ton. It was stated some foreign meal was purchased at $135.

*Fertilizer Tag Sales: August**

	Equivalent tons		
	Aug. 1951	Aug. 1950	Jan.-July 1951
North Carolina	[1]	[1]	1,458,089
South Carolina	21,614	26,500	687,252
Georgia	9,734	20,105	1,029,316
Florida	37,175	34,990	708,255
Alabama	17,634	13,933	896,306
Tennessee	9,384	9,478	423,143
Arkansas	7,281	9,694	360,452
Louisiana	9,247	8,179	243,451
Texas	14,575	23,808	358,826
Oklahoma	[1]	[1]	91,973
Total South	126,644	146,687	6,259,123
Indiana	86,055	71,355	526,295
Kentucky	39,459	45,751	360,686
Missouri	58,006	41,826	479,668
Total Midwest	183,520	158,932	1,366,849
Grand total	310,164	305,619	7,625,972

* Data furnished by the National Fertilizer Association.
[1] Oklahoma and North Carolina report tax tag sales 30 days after the end of the current month. Oklahoma and North Carolina tag sales for July, 1951, represent 3,405 and 10,874 tons respectively, compared to 1,820 and 8,239 tons during July, 1950. Virginia reports quarterly.

Market Trends

Prices Advanced
2,4-D, 8c. per lb.
isopropyl ester, 8c. per lb.
Tankage, 25c. per unit of ammonia.

Prices Reduced
Allethrin, 100%, $12.50 per lb.
Cube root, 2c. per lb.
Derris root, 3c. per lb.

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
92.4	92.4	92.4	82.2	82.2

(For Current Prices see Page 9)

According to reports, there will be no carryover of menhaden meal this season.

Hoof Meal—Temporarily inactive. Last sales were at $7.25 per unit of ammonia f.o.b. western plant.

Sodium Nitrate—Seasonal requirements are being covered without difficulty from suppliers' inventories. It was stated that destruction of a storage warehouse early in June at Norfolk, Va., is being rebuilt and will be completed by January 1.

Tankage—Priced higher with sales at $8.50 per unit of ammonia in New York and at $8.75 Chicago. Feed-stock houses have continued to build up inventories.

Phosphates

Phosphate Rock—Market steady with an active call for contract shipments. Stocks of high grade Florida rock have been kept low by a constant drain for home and export. Low grade rock is in better supply shape than high grade material. There were no new export inquiries last week and it was stated that prices in the foreign markets appeared well stabilized.

Superphosphate—No easement could be noted in supply conditions. Available stocks continued tight with prospects suggesting a shorter supply when the market feels the full impact of demand from mixers later in the season.

Superphosphate production, 18 percent a-p-a basis, for the 1950-51 fertilizer year was 11.3 million tons, a 5.6 percent increase over 1949-50, according to the NFA. July, 1951, production of superphosphate, 18 percent basis, was 819,000 tons, 14 percent above the 717,000 tons made in July, 1950. Super production for the first seven months of 1951 was 7 percent greater than during the corresponding period of 1950. Concentrated superphosphate production continued to assume a more important role in the fertilizer industry as output, January-July, 1951, exceeded production during the like period of 1950 by 83,000 tons, 18 percent basis, an increase of 8 percent.

Potashes

Domestic shipments from plants have followed a fairly steady pattern during the past week. Evidence of car shortage has been experienced at times but no serious interruption has developed to date and the movement in most instances has been close to schedule. According to trade reports, one of the new companies is expected to start operations next March and it was stated that output for March forward has been sold. Reports from Baltimore indicate that considerable foreign potash is in storage awaiting shipping instructions from mixers.

Los Angeles Fertilizer Market

Los Angeles.—Steady improvement has been noted in trading on the local market in conjunction with the Fall spreading season. This business, however, appears to be lagging about a month behind that for the same season last year with growers showing some reluctance to place orders. Supplies are considered adequate for most items with exception of fish meals. Bone meals stocks are abundant with a $10 price spread in current offerings. Heavier shipments of Canadian materials are scheduled for the month. A price increase to $81.02 per ton, f.o.b. Los Angeles, was announced for Canadian ammonium nitrate effective October 1. Fish meals remain at full ceiling, plus sack cost and jobber discount, with exception of Canadian herring meal, quoted $2.20 per unit of protein, sacks included, f.o.b. Seattle.

Ruling prices were:—Ammonium nitrate—$73.95 per ton, domestic, f.o.b. Los Angeles. $81.02 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$71.36 per ton for 16/20 grade, f.o.b. Los Angeles. $95.86 per ton for 11/48 grade, f.o.b. Los Angeles. Canadian material.

Ammonium sulphate—$51 per ton in bags, f.o.b. Los Angeles. $3 discount for bulk. Canadian material same.

Blood meal—$6.75-$7 per unit of ammonia at source. Bone meal—$68-$78 per ton, domestic, steamed, 1/30 meal, f.o.b. Los Angeles. $77-$78

For Late Market Developments, See Page 4

per ton for foreign, 1/65 meal, c.i.f., Los Angeles Harbor.

Calcium nitrate—$49.25 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Fish meals—$146.90 per ton for 65 percent sardine, f.o.b. Los Angeles or San Francisco. $135.60 per ton for 60 percent tuna, f.o.b. Los Angeles, $158.20 per ton for 70 percent Alaskan herring, f.o.b. Seattle. Sack cost and jobber discounts additional for previous quotations. $154 per ton for 70 percent Canadian herring, f.o.b. Seattle, bagged.

Potassium muriate—50½c. per unit in bulk, f.o.b. Trona.

Potassium sulphate—95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona.

Sodium nitrate—$55 per ton in 100-pound bags, f.o.b. Los Angeles Harbor.

Superphosphate—$23.70 per ton in bulk, f.o.b. Los Angeles. $4 additional for bags. Ammoniated—$29.50 per ton in bulk, 3 16 grade, f.o.b. Los Angeles. $4 extra for bags. Triple—$68.50-$72 per ton in bulk, 47 percent, a.p.a., f.o.b. Los Angeles.

Pesticides

Allethrin—Priced lower. It was stated that expanded production facilities will be in operation shortly and that research on new applications of allethrin gives promise of a broadening market in 1952. Suppliers quote 100 percent at $42.50 per pound works, 20 percent solution $8.55 to $9.55 per gallon and 2½ percent solution $7.55 per gallon works.

Cube Root—Lower prices are being named for this material. Suppliers name 25c. to 26c. per pound for 5 percent rotenone at the works.

2,4-D—Higher prices have been established for this important weed control material. The carlot price is now 61c. per pound and l.c.l. ranges from 66c. to 68c., both works, freight equalized. The isopropyl ester was also priced higher at 67c. per pound in carlots and 72c. to 74c. in less, f.o.b. the works. The upward revision is attributed to increased producing costs.

Derris Root—Spot material is available at lower prices. The market is quoted at 32c. to 35c. per pound for 5 percent rotenone, powdered, at the works.

Paradichlorobenzene—One of the producers has advanced the carlot price for drums to 15½c. per pound. Others still named 14½c., f.o.b. works.

Pyrethrum—Firm but unchanged in price for the different varieties. Stocks definitely tight with some replenishment in sight for late December.

Sulphur

The government has been urged to allocate sulphur on the basis of essential needs. It is contended if the available supply is properly distributed, essential requirements of consumers can be satisfied. The chemical division of the National Production Authority has recommended a cutback to 230,000 tons in sulphur export allocations during the fourth quarter, to save approximately 20,000 tons for domestic uses. This would be at the level of the exports originally authorized during the first quarter of the year.

Insecticide Vaporizing Device Investigated by US Committee

The interdepartmental committee on pest control, composed of representatives of the Departments of Agriculture, Interior, and Defense, and the Federal Security Agency, has issued the following release relative to the use of insecticidal vaporizing devices:—

"It is the considered opinion of the Interdepartmental Committee on Pest Control that there are at present no data to indicate that the use of thermal generators dispensing only lindane, DDT, or mixtures of the two, for the control of flying insects is unsafe when the following restrictions are enforced:—

"1. The insecticide shall be released at the rate not to exceed one gram per 15,000 cubic feet per twenty-four hours.

"2. Installation shall be made only in commercial or industrial premises, mess halls, and similar locations where human exposure will be on a working day basis —not continuous.

"3. The devices should not be used in homes or sleeping quarters.

"4. Devices shall be so constructed that output in excess of that recommended is impossible. Fuses to protect against overloading and high temperatures, and a pilot light to indicate whether or not the unit is operating should be 'built-in' features.

"5. Units should be mounted above head height and three feet or more from the ceiling.

"6. Installation shall be such that any material which might condense on nearby equipment, walls, or ceiling cannot be dislodged and fall into or otherwise contaminate food.

"Since DDT and lindane are poisons, it is the opinion of the committee that danger will arise from deliberate or unintentional violation of these basic principles."

Forest Products Research Society Publishes Journal

The Forest Products Research Society has released the first issue of its new publication, *Journal of the Forest Products Research Society*. It contains forty-four semi-technical papers which have been presented at eleven section meetings of the society over the past year. The volume is green paper-bound and runs 176 pages.

Copies of the new *Journal* are now being sent to all members of the society as a part of their membership. Copies are also available to non-members at a cost of $2.50 each. Orders can be sent to the office of the executive secretary, Forest Products Research Society, Box 2010, University Station, Madison 5, Wis.

Pennsalt Int'l Names Two

Pennsalt International Corporation, Philadelphia, has announced the appointments of Richard C. Skahan as assistant foreign traffic manager and Harry Aue as export sales correspondent. Mr. Skahan comes to Pennsalt International with considerable experience working with shipping. Mr. Aue was previously engaged in export management.

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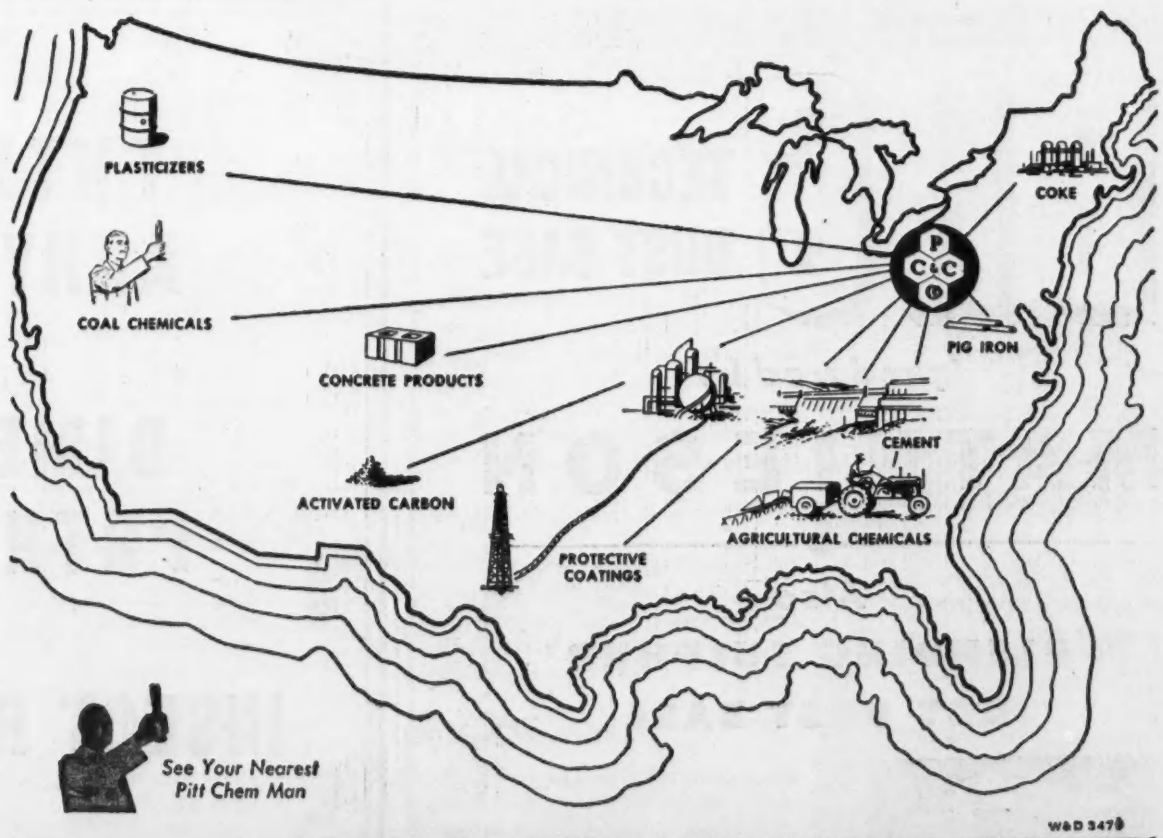

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Chemical—Intermediate in making sulphonated wetting agents and various synthetic organic compounds.

Starting point in making aconitic acid anhydride, aconitic acid chloride, aconitic acid triamide, esters said to be promising as plasticizers, hydrogenation products such as esters of tricarballylic acid), itaconic acid by heating a dilute solution at 100°C., other salts and acid salts.

Unsaturated tribasic acid capable of undergoing halogenation reactions (using a mercuric sulphate catalyst) and sulphonation reactions.

Resin—Suggested as process material in making alkyd resins.

Cupric Fluoride

(Copper Fluoride)

Metallurgical — Imparter of tensile strength, better machinability, and less brittleness in cast iron.

Dibutyl-Tin Maleate

Chemical—Claimed as potential starting point in making new compounds and as potential stabilizer for chlorinated compounds.

Petroleum—Claimed as potential additive in petroleum processing.

Diethylamine Sulphamic Acid Salt

Paper—Flame-retardant plasticizer for paper.

Diethylhexylamine Hydrochloride

(Dioctylamine Hydrochloride)

Chemical — Reactant in syntheses of emulsifying agents, insecticides, and other organic compounds.

Remover of halogen acid from organic halogenated compounds in syntheses of organic chemicals.

Dye — Reactant in syntheses of dyestuffs.

Mining — Cationic-type flotation agent in ore concentration.

Diphenyl Phenylphosphonate

Lubricant—Suggested as additive for oils and other lubricants.

Miscellaneous—Suggested as plasticizer in coating compositions.

Plastics—Suggested as fire retardant for cellulose plastics.

Fluoboric Acid

Electrical—Electrolyte for low-temperature batteries.

Metal-Finishing — Dissolving, etching, and pickling agent in processes for finishing, cleaning, pickling, dissolving, and stripping metals.

Reagent in electropolishing aluminum.

Petroleum—Acidifying agent in treating oilwells.

Hydrazin, Anhydrous

Chemical—Suggested as reducing agent in syntheses of organic compounds.

Suggested as intermediate in synthesizing antioxidants, stabilizers, textile specialties, rubber softeners, insecticides, fungicides, photographic chemicals, and other compounds.

Solvent for various purposes.

Dye—Suggested as reducing agent and intermediate in syntheses of dyestuffs.

Explosives — Suggested as reducing agent and intermediate in syntheses of explosives.

Military—Suggested as fuel for rockets.

Plastics—Suggested as intermediate in making plastic compositions.

Resin — Suggested as intermediate in making synthetic resins.

Isoprene Diesters

Adhesives — Solvent-plasticizers (US 2376396) in adhesive compositions containing cellulose derivatives.

Ceramic—Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating ceramic articles.

Chemical — Solvent-plasticizers (US 2376396) for cellulose derivatives.

Cosmetic — Solvent-plasticizers (US 2376396) in nail enamels and lacquers containing cellulose derivatives as base material.

Electrical — Solvent-plasticizers (US

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2376396) in insulating compositions, containing cellulose derivatives, used for covering wire and in making and covering electrical machinery and equipment.

Glass — Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leathers and leather goods.

Metal-Finishing — Solvent-plasticizers (US 2376396) in coating compositions, containing cellulose derivatives, used for protecting and decorating metallic articles.

Miscellaneous—Solvent-plasticizers (US 2376396) in coating compositions, containing cellulose derivatives, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Solvent-plasticizers (US 2376396) in lacquers and dopes containing cellulose derivatives.

Paper — Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used in the manufacture of coated papers and as ccoatings for protecting and decorating articles made of paper or pulp.

Photographic—Solvent-plasticizers (US 2376396) in making films from cellulose derivatives.

Plastics—Solvent-plasticizers (US 2376-396) in making laminated-fiber and molded articles and plastic materials from or containing cellulose derivatives.

Rubber—Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone — Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile—Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives used in the manufacture of coated fabrics.

Wood — Solvent-plasticizers (US 2376-396) in compositions, containing cellulose derivatives, used as protective and decorative coatings on woodwork.

Lead Cyanamide

Paint, Varnish, and Lacquer — Lead-base, antirust pigment for paints.

Pigment claimed to provide easy painting and spraying, good protection against corrosion, good resistance to storage influences, settling, or thickening, great covering power, and to be very suitable in a basic or top coat.

Nitrilotriacetic Acid Propylester

Ceramic—Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used as coatings for protecting and decorating ceramic articles.

Chemical — Plasticizer (Swiss 242355) for cellulose derivatives.

Electrical—Plasticizer (Swiss 242355) in insulating compositions, containing resins or cellulose derivatives, used for covering wire and in making electrical machinerey and equipment.

Glass — Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used in the manufacture of artificial leather and as coatings for protecting and decorating leathers and leather goods.

Metal - Finishing — Plasticizer (Swiss 242355) in coating compositions, containing resins or cellulose derivatives, used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer (Swiss 242-355) in coating compositions, containing resins or cellulose derivatives, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (Swiss 242355) in paints, varnishes, lacquers, enamels, and dopes, containing cellulose derivatives or resins.

Paper — Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Plastics—Plasticizer (Swiss 242355) in making laminated-fiber and molded articles and plastic compositions from or containing cellulose derivatives or resins.

Resin — Plasticizer (Swiss 242355) for resins.

Rubber—Plasticizer (Swiss 242355) in compositions, containing cellulose derivatives, used as coatings for protecting and decorating rubber goods.

Stone — Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives, used in the manufacture of coated fabrics.

Wood — Plasticizer (Swiss 242355) in compositions, containing resins or cellulose derivatives used as protective and decorative coatings on woodwork.

Phenylphosphonic Acid

Chemical—Suggested as starting point in making metallic salts.

Lubricant — Suggested as additive for oils and other lubricants.

Sugar—Suggested as additive for molasses (to retard development of color).

Textile—Suggested as antistatic agent in spinning and improver of color-fastness of dyed cellulose to light.

acetone

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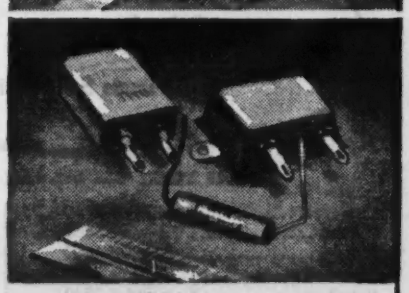
As plasticizers and softening agents, Oronite Polybutenes increase tear resistance, improve molding characteristics, inhibit bloom and aid pigment dispersion in a wide variety of molded rubber products . . . (in everything from garden hose to noise and vibration insulation compounds and hot water bottles).

ADHESIVES

Oronite Polybutenes contribute outstanding adhesive and tackiness properties to industrial and surgical tapes, and label adhesives. Used either in natural form or in emulsions, they aid stability and add to moisture resistance.



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Because of their high dielectric strength and low power factor, Oronite Polybutenes are excellent impregnating agents for paper insulation. These polybutenes are stable and tacky and are resistant to moisture and oxidation.

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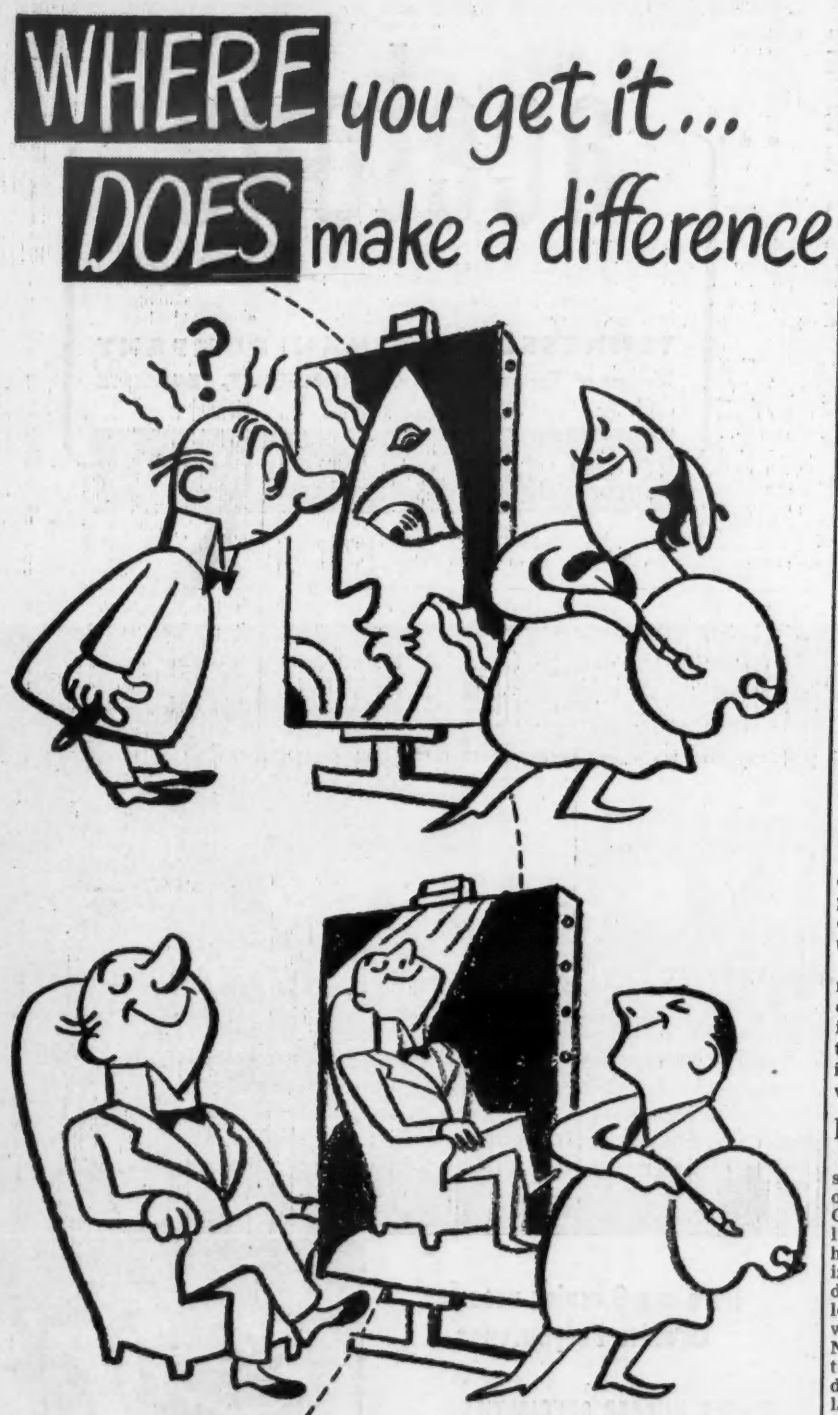

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Coaltar Chemicals

In this market, items on which the market price changed as of October 1 included a six cent per pound advance in orthochloroparanitroanilin, a 3 cent advance in both ortho and parachlorophenol and in paraphenylphenol, a 2 cent drop in orthocresotinic acid, an advance of 2½ cents per pound in paratertiarybutylphenol, an advance of 1 cent in pentachlorophenol and an upward adjustment of two cents per pound on all physical forms of sodium pentachlorophenate.

There were advances by some makers, but not all, as yet, in synthetic phenol, styrene monomer, hydroquinone, and in parachloro-orthonitroanilin.

Supplemental Regulation 13 was extended by amendment 4 issued by OPS to midnight December 31. SR-13 to GCPR permits producers of coke, coal chemicals and cokeoven gas to increase their ceiling prices to reflect increased delivered costs of raw materials. So far as coal chemicals are concerned, this provision is virtually offset by another, also extended to December 31, which limits the authority granted to producers to increase their operating margin over that of the base period of the entire year of 1950. In view of the price advances effected at the year-end and in effect during the base period of the price freeze, coal chemical price increases were almost precluded.

Accordingly, getting higher cost relief under SR-13, was a much harder thing than under CPR-22. For example, the recent 2¼ cent price advance in synthetic phenol made from benzol, was obtained by different producers filing with OPS. What effect this would have on natural phenol prices, if any, could not be determined because the natural tar distillation products come under SR-13.

The American Iron and Steel Institute reported the operating rate for the week ended October 6 as 102.6 percent of capacity. This was equivalent to the production of 2,051,000 tons of ingots and castings, as against 2,041,000 tons the previous week, and 1,951,900 tons one year ago.

Basic Products

Benzol—The current benzol supply position was not as critical as mid-summer opinion had predicted that it would be by October. This was so because in some lines of business the Fall pick-up which had been anticipated, failed to materialize, and in those quarters where business did show a Fall pick-up, the gain has been less sharp than was expected. The result was that for October, and possibly for November, benzol consumers will be getting reasonably near their needed immediate requirements, according to most large volume producers. This description of the situation was not meant to convey the impression that benzol was not still plenty tight, but that it was less drastically so than had been forecast.

Pricewise, producers said that they could not foresee any upward price adjustment for the fourth quarter. Under the extension of Supplemental Regulation 13 to GCPR, the benzol price pattern was expected to see no change from that of the previous quarters because the amendment 4 which extended the life of the regulation to December 31, also extended the limitation on the authority of producers of coal chemicals to increase their operating margins above those which prevailed during the entire year of 1950.

While the supplemental regulation permits coal chemical producers to raise their ceiling price to reflect increased delivered costs of raw materials, the operating margin limitation virtually precludes their doing so in view of the year-end price adjustments made prior to or during the GCPR base period. In this sense, chemical producers operating under SR-13 are at a disadvantage compared with the producers operating under CPR-22. For example it is easier to raise the price of synthetic phenol made from benzol, than it is to raise the price of natural tar distillation phenols.

Creosote—The consumption of this wood preservative was said to be at a fairly good volume rate, but sufficiently under that of last year to keep the market in the highly competitive position which has characterized it over recent months. Import volume was sustained at a high level, which added to domestic large volume output left stocks at a somewhat uncomfortable high level. The cost of production was such as to preclude any price reduction, and the competitive nature of the market tended to prevent any price rise.

Cresols—The easing tendencies with respect to supply of cresylic materials in general, was less applicable to the cresols than it was to the acids. However, there were some producers who reported that their status on back orders was significantly improved. How long this situation would exist was a matter of conjecture, but it was noted that resin and plasticizer demand from the protective coating industry was not very fast recovering from the slow-up induced some weeks ago by the drop in industrial finishing resulting from governmental cutbacks in metal product fabrication.

Cresylic Acid—The better tone in trading on ADF imported acid with which September ended, continued on into October, according to import sources. Price patterns were apparently holding firm. However, no sudden spurt in buying interest was expected beyond a gradual increase as inventories of consumers run lower.

Domestic acid moved into consuming channels as fast as it was being made, with little or no sales effort on the part of producers, some of whom were still working against back orders, but the pile of which had diminished considerably.

Naphthalene—Industrial consumers and importers of foreign crude said that conditions in the import market were about the same last week as they had been. Material was being bought abroad at prices which seemed like fantastic levels in normal times, but which over recent weeks had come to be the norm. New negotiations were almost each on an individual basis, with most of the purchases being made at around 15c. per pound and occasional odd lots at a higher figure. Beyond this, the American market was not prepared to go because of frozen price levels on naphthalene derivatives, and the danger involved in the risk of the time element in speculative black market operations.

Domestic production maintained its usual high level, which gradually creeps upward from month to month. No change was expected in the domestically produced product, despite the fact that it moved at a fraction of the imported price. This was so because of the regulations of the government under Supplemental Regulation 13, which by amendment 4 has had its life extended to December 31.

Phenol—The price structure in synthetic phenol was last week characterized by a 2¼c. per pound spread between the ceiling prices of different producers. Two makers October 1 effected authorized price advances bringing tankcar quantities to 19½c. per pound as a result of increased raw material and manufacturing costs. Under the new schedule drum carlots were priced at 21¼c. and less than carlot sizable quantities at 22c.

However, there were prices at the 17¼c. tankcar level established at the year-end, still in effect. It was expected that some upward adjustment might be effected by the end of the month, but this was uncertain. Synthetic phenol price adjustments were made under CPR-22, whereas any price adjustment on natural

Market Trends

Prices Advanced

Orthochloroparanitroanilin, 6c. per lb.
Orthochlorophenol, 3c. per lb.
Parachlorophenol, 3c. per lb.
Paraphenylphenol, 3c. per lb.
Paratertiarybutylphenol, 2½c. per lb.
Pentachlorophenol, 1c. per lb.
Sodium pentachlorophenate, 2c. per lb.

Prices Reduced

Acid, orthocresotinic, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
134.9	134.9	134.9	107.5	123.2

(For Current Prices see Page 9)

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended October 6 indicate the following output of chemicals from that source:—

Ammonia liquid, NH_3	lbs.	999,571
Ammonia sulphate	lbs.	34,519,564
Benzol	gals.	3,369,767
Coaltar	gals.	15,342,028
Creosote oil	gals.	616,430
Naphthalene, crude	lbs.	2,095,830
Pyridin, refined	lbs.	34,658
Toluol	gals.	636,976
Xylol	gals.	104,378

For Late Market Developments, See Page 4

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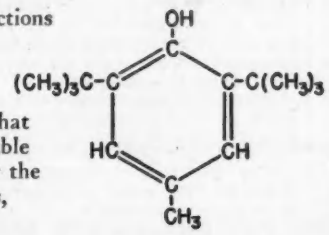

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For further information, write for your copy of Bulletin C-9-115. It describes in detail the properties, reactions and uses of DBPC.

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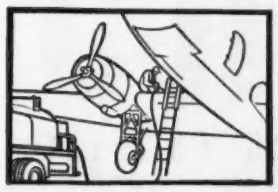

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phenols would have to be made under SR-13, and there appeared to be no such movement in process as of last week.

Demand was well in excess of supply, leaving the phenol market still tight, although some producers reported a bettering of their general supply position with the item under less delivery pressure.

The tendency in some quarters toward an easier supply position, however, was confined to synthetic material, and producers of natural phenols said they could sell much more than they are able to produce, if it were available. This was in part the result of the now significant price differential.

What effect, if any, the higher synthetic price pattern now developing in the industry would have on natural phenols, was a matter for conjecture. Natural phenols falling under Supplemental Regulation 13 which has been extended to December 31, are subject to the operating margin limitating clause of that regulation, along with all coal chemicals, coke, and coke oven gas. This makes raising the price of natural phenols a more difficult procedure.

Solvent Naphtha — Aromatic chemical solvents were hard pinched by the coaltar toluol shortage created by TNT demands. Among those affected were coaltar solvent naphthas which have all year been in a critically short supply, and which are now faced with still greater pressure of demand. Price patterns remained unchanged.

Toluol—A typographical inflation of the toluol volume required by government directives on the coaltar industry, got into our last issue. We reported the approximate TNT requirements as 150,000,000 gallons a month. The figure should have been 1,500,000 gallons as an approximate figure. The impact of government directives taking at least half of the coaltar source toluol output for TNT reserves, was beginning to be felt in the petroleum source toluol market. Civilian consumers of industrial toluol having had their coaltar toluol allotments drastically cut back, had to call on the petroleum industry for assistance, in order to meet their regular minimum requirements. The petroleum industry, realizing the situation, was inclined to help out wherever they could and to as great an extent as they could. The petroleum industry was carrying its load of defense aromatic end-uses including aviation gasoline, but had somewhat more flexibility with respect to production output of toluol and xylol, than do cokeoven operations.

Xylol—This aromatic solvent, although somewhat higher boiling and slower evaporating than toluol, could replace toluol in many solvent end-uses and product formulations. The scarcity of coaltar source toluol into which the market was thrown by TNT requirements, was reflected in a greater demand for xylol. This shift in demand was evident in the current market and was felt likely to become increasingly strong over the balance of this year, making for a tight xylol market position.

Intermediates

Acid, Orthocresotinic—As of October 1 the price of this intermediate was reduced 2 cents per pound. Under the new schedule, ton lots were listed at 66 cents per pound and less than ton lots at 68 cents.

Hydroquinone—The price pattern on technical hydroquinone was one characterized by a rather large spread between the ceiling prices of various producers. The current range was from 76 cents per pound to 84 cents, the outside of the range being 3 cents per pound higher than formerly. Supplies were still on the tight side, reflecting the anilin shortage due to insufficient supplies of benzol and chlorine.

Orthochloroparanitroanilin — The price structure on this item was advanced to 86 cents per pound October 1. Raw material shortages hampered production, and some firms discontinued manufacture more than a year ago, in favor of using their limited quantities of critical materials for other products in wider general usage.

Orthochlorophenol—The effective price last week on this item, following authorized upward adjustments to partially offset increased costs, listed carlots at 34½ cents per pound and less than carlot quantities at 35½ cents. These prices were on a freight equalized basis. Supplies were tight by reason of raw material scarcities.

Parachloro-orthonitroanilin — This item was advanced in price by some makers, but not all, as of last week. Some producers, since October 1 have been quoting 82 cents per pound, which was felt in the trade to be in line with higher costs. Not all producers had as yet set about getting price relief from the high costs, and one maker was still quoting 73 cents per pound on spot and 71 cents on contract. The latter prices, however, were so low

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in relation to cost and raw material supplies so scarce, that no desire of additional business was to be expected.

Parachlorophenol—A 3 cent per pound advance in prices was effected by producers of this item October 1. Under the new schedule carlot quantities were quoted at 34½ cents per pound, and less than carlot quantities at 35½ cents. These quotations were on a freight equalized basis. Back of the authorized price rise, was the accumulated increased costs of raw materials and manufacturing.

Paradichlorobenzene — One maker advanced prices 1 cent per pound, but with the oncoming season faced by raw material shortages, the advance in some quarters was felt not likely to have any significant effect, competitively. Increased costs were said to justify an upward adjustment in price schedules, and more action within the market in this direction was to be expected.

Paraphenylphenol — Prices were advanced 3 cents per pound under authorized upward adjustments effective October 1. Under the new schedule carlots were quoted at 37½ cents per pound, and less than carlot quantities at 42 cents. The scarcity of benzol for phenol manufacture kept the supply position of this intermediate on the short side.

Paratertiarybutylphenol — The accumulated increased costs on this item led to an authorized upward price adjustment of 2½ cents per pound effective October 1. Under the new schedule, carlots were listed at 27½ cents per pound, and less than carlot quantities at 28½ cents.

Pentachlorophenol—The market was 1 cent per pound higher, generally, as of October 1. This brought quotations on carlot quantities to 21 cents per pound, and less than carlot quantities varied from 24 to 29 cents depending upon quantity. Truckloads carried the same usual differential of ¼ cent per pound over the carlot price.

Phthalic Anhydride—Producers were apparently under as much pressure for deliveries on phthalic as ever, a situation which was felt by most quarters to be more likely to increase as the fourth quarter proceeds. Naphthalene was progressively getting tighter due to import sources abroad curtailing their shipments to this country.

Some producers had been able to meet defense requirements, and still take care of some 80 percent of their civilian demand, while others were in a less favorable position. Civilian accommodation patterns characteristic of the year so far, were felt likely to show a diminishing trend in the months ahead. These patterns, however, were stabilized and made more equitable by the government having placed the item on M-32 some weeks ago. Against this, however, was the possibility of actual demand falling off somewhat, if consumers are building up inventories to the extent that the general consensus in the trade feels that they are.

Sodium Pentachlorophenate—The various physical forms of this preservative chemical were all advanced in the market by 2 cents per pound, across the board, in all quantity brackets.

Under the new schedule, briquettes in carlots were listed at 25½ cents per pound, and less than carlot quantities varied as to quantity from 26½ to 28½ cents per pound. Pellets in carlot quantities were quoted at 25 cents per pound, and in less than carlot quantities at 26 to 28 cents per pound, depending upon quantity. The powder carried a carlot price of 24 cents per pound, and in less carlots ranged from 25 to 27 cents per pound.

All forms of sodium pentachlorophenate in truckload quantities carried the usual differential of ¼ cents per pound over the carlot price. Truckloads were considered to consist of 20,000 pounds or more.

Styrene Monomer—The market was characterized by a 1 cent per pound spread as of last week, and this might be representative of the market for the immediate future. Authorization for a 1 cent advance to offset higher costs was granted some producers, and was said to be under consideration in other quarters but no definite decisions had as yet been made. Accordingly, tankcars were listed in the range of 20 to 21 cents per pound, with carlot and less than carlot drum quantities carrying the usual differentials over tankcars of 1¼ and 2¼ cents respectively.

Monomer demand for the synthetic rubber program continued under heavy pressure. The civilian plastics demand, which during July and August had eased off a bit, was said to be showing a stronger tone this month.

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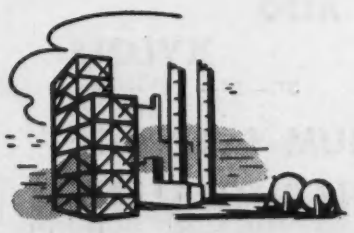

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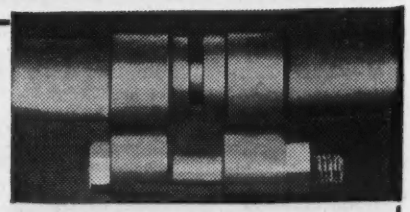

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AEC Releases Nineteen Patents for Public Use

Descriptions of nineteen patents owned by the US Government and held by the Atomic Energy Commission have been transmitted to the Patent Office for registry and listing in the official register of patents.

The commission will grant non-exclusive, royalty-free licenses on the listed patents, as part of its program to make non-secret technological information available for use by industry. A total of 317 commission-held patents and patent applications has now been released for licensing.

Applicants for licenses should apply to the chief, patent branch, office of the general counsel, Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title. Copies of these patents may be obtained from the Patent Office.

Monsanto Co. Producing Diaminodiphenylsulphone

Production of a new sulphone for use in the manufacture of dyestuffs and other organic synthetics has been announced by Monsanto Chemical Company's Merrimac Division, Everett, Mass. L. F. Loutrel, jr., Merrimac development director, said that the new product, diaminodiphenylsulphone, technical, is available in research quantities.

A free-flowing light brown powder, the product is promising in the synthesis of azo dyes, Mr. Loutrel stated. Other suggested uses were the chemical's application as an intermediate for organic synthesis and as a basis for ion-exchange resins.

Pennsalt Offers Insect Control Data

Pennsylvania Salt Manufacturing Company's agricultural chemicals department has issued two new bulletins on control of insects on livestock. No. 204, "How to Control Flies and Other Livestock Pests with Lindane," lists in chart form the host animal, pests which may be controlled with lindane, the recommended concentrations and suggestions for application. No. 205, "How to Control Insect Pests on Livestock," is similar to No. 204 in its chart presentation but gives alternate treatments with BHC, DDT or lindane, and suggested combinations of them to be used in controlling a long list of pests common to livestock. Both bulletins are available on request by writing Pennsalt, agricultural chemicals department, 1000 Widener building, Philadelphia 7.

Sloan Back With Atlantic Research

Dr. Arthur W. Sloan has resumed activity with Atlantic Research Corporation, Alexandria, Va., after a two-years' leave of absence on a special assignment to the Department of Defense. Dr. Sloan, co-founder and first president of the chemical engineering research firm, is chairman of the board and director of research.

American Zinc Purchases Nellie B. Mining Company

Sale of the Nellie B. Mining Company to American Zinc, Lead & Smelting Company has been announced by Hubert E. Howard and J. H. Buchanan, principal owners of the Nellie B. The Nellie B. is the second largest producer of zinc-lead concentrates in the Missouri-Kansas-Oklahoma district. It is presently operating fifteen shafts, and its three concentrating mills are currently treating between 3,000 and 4,000 tons of zinc-lead ores daily.

Trade Briefs

Cannon Vibrator Company, Cleveland, Ohio, has announced that it can now furnish its new line of style "EM" quiet-type vibrators in one and one-quarter-inch to four-inch piston sizes.

Dr. Charles H. Moore, former technical director of the National Lead Company of Ohio, has been named head of the metal and ceramic division of P. R. Mallory & Co., Indianapolis, Ind.

Statement of the ownership, management, circulation, etc., required by the Acts of Congress of August 24, 1912, and March 3, 1933, and July 2, 1946, of Oil, Paint and Drug Reporter, published weekly at New York, N. Y., for October 1, 1951.

The names and addresses of the publisher, editor, managing editor, and business manager are:—Publisher, Schnell Publishing Company, Inc., 30 Church street, New York; editor, Hugh Craig, 30 Church street, New York; managing editor, William A. Smith, 30 Church street, New York; business manager, William S. Auchincloss, 30 Church street, New York. That the owner is Schnell Publishing Company, Inc., 30 Church street, New York. Stockholders holding 1 percent or more, James Stuart Auchincloss, Short Hills, N. J., Jean Schnell Auchincloss, Short Hills, N. J. That the known bondholders, mortgagees and other security holders owning or holding 1 percent or more of total amount of bonds, mortagages or other securities are:—Not any. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees hold stock and securities in a capacity other than that of a bona fide owner.

That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the twelve months preceding the date shown above was 10,644.

(Signed) William S. Auchincloss, Business Manager.

Sworn to and subscribed before me this 20th day of September, 1951.

(Signed) Eleanor H. Buxbaum, Notary Public.

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Petroleum Derivatives

A firmer tendency was observed in petroleum toluol last week as a result of the government taking considerable amounts of the coaltar product. One producer said that consumers cut off from coaltar toluol are making inquiry for petroleum material and another producer predicted that for the balance of the year the petroleum type would be in greater demand than supply. Petroleum xylol, it was said, was in a somewhat stronger demand. Supply, however, was up to the market requirements. Higher boilers were unchanged at good demand and tight supply. Intermediate aromatic solvents held unchanged at the good demand levels that had been apparent for some time.

Although aromatics were not in what could be called an abundant supply position, there was enough of them available to accommodate the market. The demand, it was said, appeared to be picking up. This was the time for the seasonal upswing in LPG's. One producer said it had seen no evidence of it yet, although another stated that it had observed what appeared to be the beginning of increased consumer inquiry. The demand for microcrystalline and paraffin waxes was at better levels than during the summer months and supply was ample. Petrolatum and white mineral oils were moving at an increased rate and supply was reportedly high enough to accommodate it.

Solvents and Diluents

With the government taking considerable amounts of coaltar toluol, it was observed last week that there was a firmer tendency in petroleum toluol. One producer said that consumers cut off from coaltar toluol are beginning to make inquiry for petroleum material. Another producer said it thought petroleum toluol would be in greater demand than supply for the balance of the year. The demand for petroleum xylol was reported to be at better levels again after the recent easings. The supply was sufficient for the ordinary requirements of the market. The picture showed no great change as far as higher boilers were concerned. The supply continued on the tight side and the good levels of demand prevailed. The situation in intermediate aromatic solvents showed no particular change, with the demand at good levels.

Cleaners' Naphtha — The market continued at about the levels of the previous week, with a better tone to the demand than had been apparent some weeks ago and the supply at high enough levels to accommodate the current rate of inquiry without pinch.

Lacquer Diluent—All in all, this item was moving in good volume last week. It showed some improvement over the levels of sales of the summer months. The supply was not at particularly high levels but there was enough of it available to handle the present inquiry.

Mineral Spirits—The picture last week was about what it had been recently, with the demand showing a better tone than it had in the summer months and the supply, although not at abundant levels, able to accommodate the market.

Rubber Solvent — No change was apparent in the market for this material during the past week. The stronger tone to demand that had prevailed recently was still in evidence, and the supply, although not abundantly available, was still at high enough levels to make the filling of orders no special problem.

Stoddard Solvent—The conditions that had prevailed recently in this market were still pretty much in force last week. The demand appeared to have a healthier tone than during the summer months and the supply continued ample for the market, despite the fact that it was not available in abundant amounts.

V.M. & P. Naphtha—Although the supply was not what could be called long, there was enough of it available to accommodate the consumers. The demand was at better levels than it had been during the summer period.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended September 22 totaled 252,569,000 barrels, according to the Bureau of Mines. Compared with the total of 250,490,000 barrels for the preceding week, this represents an increase of 2,079,000 barrels, comprising an increase of 1,918,000 barrels in stocks of domestic crude and an increase of 161,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced
None
Prices Reduced
None
(For Current Prices see Page 9)

Lighter Fractions

LPG's—A seasonal upswing in business was beginning to be observed, one producer stated last week. Another said that as yet an upswing was not apparent, although it was expected that inquiry would increase as a result of cooler weather.

Waxes

Microcrystalline—The effects of the season were still apparent last week as the demand was reported to be somewhat better than it had been, with the principal reason for this the end of the summer vacation shutdowns in the consuming industries and the coming of cooler weather. Supply held at strong enough levels to accommodate the market without pinch.

Paraffin—Supply held at a high enough level to satisfy the consumer inquiry without pinch. Demand was at better levels than it had been during the summer when hot weather and vacation shutdowns in the consuming industries caused some easing.

Miscellaneous

Crude Oil—Production of crude petroleum averaged 6,141,000 barrels daily for the month of July, an increase of 11,000 barrels over the June rate of 6,130,000, reports the Bureau of Mines. With the exception of a gain of 15,000 barrels daily in Texas and a decline of 5,000 barrels daily in California the daily average output of the individual states showed little variation from the previous month.

The indicated demand for domestic crude petroleum decreased 117,000 barrels daily to 6,046,000 barrels compared with the June average of 6,163,000 barrels daily. Domestic crude oil stocks increased 95,000 barrels daily during July. Total crude stocks, domestic and foreign, were 250,847,000 barrels on July 31, compared with 248,170,000 barrels on June 30.

During March, world production of crude petroleum averaged 11,503,000 barrels daily, an increase of 143,000 barrels over the February rate. The principal increases in daily average production were: United States 122,000 barrels; Venezuela, 42,000; Kuwait, 16,000; and Saudi Arabia and British Borneo each 5,000 barrels. The principal decreases in daily production were:—Canada, 18,000 barrels; Indonesia, 10,000; and Mexico, 6,000 barrels. In March, record monthly production totals were attained in the United States, Venezuela, and France. During the quarter ending March 31, world daily crude production was 11,373,000 barrels, an increase of 20 percent over the first quarter of 1950.

Petrolatum—This item moved in better volume than it had a short time back, giving evidence of a greater interest in the past few weeks. This was thought to be largely a result of the end of the period of summer vacation shutdowns and the coming of cooler weather. The supply continued high enough to accommodate the ordinary wants of the market without pinch. The drums picture continued improved as a result of the efforts that producers have been making to have their empties returned.

White Mineral Oils—Purchasing continued to show the additional strength that had first become apparent several weeks ago with the end of the summer vacation shutdowns and the beginning of the cooler weather. Enough material was available to accommodate ordering at the present rate without difficulty. Drums were in a better position than they had been some time ago because of the efforts that had been made to have them returned for reuse.

Los Angeles Petroleum Market

The market for solvents and diluents held unchanged the past week over previous periods. Supplies were adequate to accommodate the present good rate of demand. Price listings

For Late Market Developments, See Page 4

were unchanged with cleaning solvents, including Stoddard, quoted from 15.7c. to 19.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16.7c. to 20.7c. per gallon, same basis.

Demand continues strong for butane in the face of exceedingly tight supplies, with the price unchanged at 4.8c. per gallon, tankcars, f.o.b. Los Angeles. Propane, posted at 4.3c. per gallon, same basis, remains freely available throughout the industry.

Demand is holding at a good level for high melting point paraffin waxes with stocks meeting present requirements. Prices remain unchanged as in the past several months as follows:—122/128 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted 7.45c. per pound. 142/147 ASTM, same basis, quoted 7.55c. per pound. 146/148 ASTM, same basis, quoted 7.65c. per pound. 157/162 ASTM, same basis, quoted 8.3c. per pound. Tankcar prices listed 7.05c., 7.15c., 7.25c. and 7.9c. per pound respectively.

Atlantic Vice-Pres. Retires

E. H. Blum has retired as vice-president and director of the Atlantic Refining Company, Philadelphia, and general manager of the company's crude oil production department. Mr. Blum, who joined Atlantic in 1905, was elected a vice-president in 1936 and named general manager of Atlantic's crude production department in the same year. In 1946 he was put in charge of all of the company's producing activities, both domestic and foreign. He was elected a director of the concern in 1937.

Ethyl Subsidiary Elects

Oscar B. Lewis has been elected vice-president of Ethyl Antiknock, Ltd., Canadian subsidiary of Ethyl Corporation, New York. He succeeds William M. Turnley who has retired but remains as a director and consultant. An Ethyl employee for twenty-four years, Mr. Lewis has been general manager of the Canadian company for the last year.

TEL Output in US Seen Dependent on Foreign Lead

Continued capacity production of tetraethyl lead during the next few months will depend almost completely on the ability and willingness of manufacturers to purchase foreign lead, according to Bruce K. Brown, deputy administrator of the Petroleum Administration for Defense.

"TEL manufacturers have on hand barely enough lead to maintain production during October," Mr. Brown said. "Both manufacturers have been extending themselves in the purchase of imported lead at higher-than-domestic prices. We hope that they can maintain production for the balance of the year. But we are just getting by from month to month."

Allocations of soft primary lead for TEL manufacture during September were only 40 percent of requirements. October allocations are still far below normal requirements, Mr. Brown said. PAD has appealed to the NPA for relief through increased allocations of domestic soft primary lead, Mr. Brown said. This lead regularly furnishes about one-third of the total supply used in TEL manufacture, the remainder coming from imports and scrap.

Esso to Expand Facilities At Baton Rouge Refinery

Esso Standard Oil Company plans to spend more than $35,000,000 for new construction at its Baton Rouge, La., refinery, H. J. Voorhies, general manager of the refinery, has announced. The extensive construction project calls for increasing the refinery's processing capacity from 240,000 to 270,000 barrels of crude oil daily, in addition to a major expansion of its chemical operations. Construction of the new facilities will begin immediately and is expected to take about two years for completion.

Expanded facilities will include new distillation equipment for crude oil and other petroleum fractions; expansion of fluid catalytic cracking facilities; additional equipment for processing petroleum gases to provide some of the raw materials for chemicals and materials for aviation gasoline, and expanded blending and shipping facilities for gasoline, kerosene and heating oil. Facilities for producing additional butadiene and for increasing the refinery's output of synthetic alcohols from petroleum are also scheduled as well as equipment for the production of benzene.

Pa. Crude Oil Ass'n Sets Meeting

The Pennsylvania Crude Oil Association will hold its 1952 annual meeting June 5 and 6 in Pittsburgh, Pa.

Trade Briefs

Texas Company has appointed R. W. Weiler assistant treasurer and general credit manager.

Roger Gilbert, vice-president of Atlas Corporation for the past twelve years, has been named president of Panhandle Producing & Refining Company to take office next January 1.

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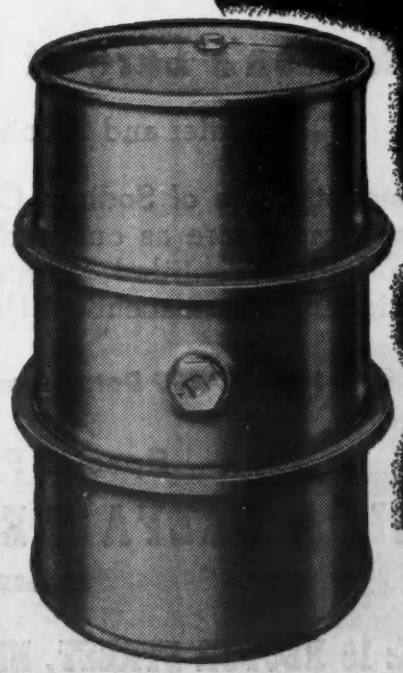

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Drugs and Fine Chemicals

Reflecting a strengthening commodity market in castor beans, the price of castor oil was upped two cents per pound, in all grades. Skimmed milk powder, spray process, was advanced 0.15 cents per pound, in a market which continued firm. Cocoa butter, reflecting a fluctuating cocoa bean market was advanced 1½ cents per pound over last week's levels. In the only reduction recorded in this market, last week, the sorbitan stearates, mono-, and tri-, plus the polyoxyethylene sorbitan stearates were reduced one cent per pound. Declining stearic acid prices were believed to have prompted this price reduction.

Castor beans continued scarce and nominal quotations were heard but not openly quoted. Some trading was said to have been done at private terms. Menthol has continued to decline and it was a matter for conjecture as to whether the bottom had yet been reached. Quotations were largely nominal with the Chinese material firmer than the Brazilian. Demand for agar continued very quiet, with supplies more than adequate. Prices continued to hold firm at previous levels and were not expected to weaken due to replenishment costs abroad where an active European demand was a strengthening factor in the market.

With most chemicals in an improved supply position, there still remained some which continued short. Demand for potassium permanganate remained in excess of supply. Despite sizable imports, supplies were reported to be insufficient to meet demand. The limiting factor here, was not raw materials, it was said, but rather insufficient plant capacity to meet demand, at the present time. Hydroquinone, both technical and photographic grades, was reported tight and was expected to continue so for sometime, due to the aniline shortage. With demand continuing at high levels, producers of methanol reported that they were still unable to fully meet demand. Military requirements were expected to increase and any significant improvement in availability in the near future was not anticipated.

Demand for the antibiotics, especially penicillin and streptomycin, was still ahead of supply despite the completion of additional manufacturing facilities. The sulpha drugs continued rather tight with some of the sulfonamides in better supply than others.

Castor Oil—Reflecting a strengthening castor bean market, both USP and refined and deodorized castor oil were upped 2c. per pound. Offering of beans continued scarce with some business reportedly done at private terms. Nominal prices in the neighborhood of $250 per long ton, f.o.b. Brazil, were heard, but were not openly quoted. Demand for beans has picked up.

Imports of castor beans at New York and Philadelphia totaled 524,100 pounds compared with the 9,228,450 pounds landed at these ports during the corresponding week of last year. Imports of oil amounted to 610,000 pounds as compared to the 800,000 pounds brought in during the corresponding period in 1950.

Total imports of castor beans since the first of the year to date amounted to 120,252,550 pounds, while the total imported in the corresponding period last year was 159,955,350 pounds. Imports of castor oil to date this year totaled 43,409,929 pounds as compared with the 26,599,825 pounds imported in the corresponding period last year.

Cocoa Butter—Reflecting a fluctuating commodity market, the price of cocoa butter was upped 1½c. per pound. Demand has not shown any significant improvement and was said to be below the level usual for this time. Supplies were more than adequate.

Formaldehyde—Supplies of this aldehyde had shown considerable improvement over those earlier this year. During the Summer the general slackening of industry throughout the country had the effect of easing the formaldehyde tightness to a considerable extent. However, with coming of Fall and contemplated industry speedup due to the defense program, some observers anticipated a quickened demand for this material, in coming months. However, at present, producers reported themselves in a position to accommodate contract customers fully while spot business was not being sought due to the uncertainty of future defense orders.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cocoa butter, 1½c. per lb.
Milk powder, skimmed, spray process, 0.15c. per lb.
Oil, castor, USP, 2c. per lb.
refined and deodorized, 2c. per lb.

Prices Reduced

Polyoxyethylene sorbitan monostearate, 1c. per lb.
tristearate, 1c. per lb.
Sorbitan monostearate, 1c. per lb.
tristearate, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
260.4	260.4	260.8	255.8	261.7

(For Current Prices see Page 9)

Prices were unchanged from ceiling schedules.

Gelatin—Production of edible and technical gelatin in July totaled 3,352,038 pounds as compared to a total of 3,391,260 pounds in June. However, in addition to the two aforementioned types, the June figure included 261,100 pounds of pharmaceutical grade gelatin. Total production in July, 1950, amounted to 2,163,239 pounds, which included edible, technical and pharmaceutical grades.

Shipments of gelatin during July of this year totaled 3,516,880 pounds compared to the 2,999,582 pounds shipped in June. These figures covered the same types as previously mentioned in regard to production totals. In July, 1950, shipments totaled 3,106,581 pounds, which included all three types of gelatin.

Stocks at the end of July of this year totaled 9,698,753 pounds as compared to a total of 6,895,798 pounds in June. At the end of July, 1950, stocks amounted to 5,145,631 pounds. The figure for July, 1951, includes all grades previously mentioned plus the photographic grade while totals for the other comparison months exclude this grade.

Hydroquinone—Reflecting the continued shortage of aniline, this chemical remained in tight supply. The demand for the photographic grade was reported to be in excess of supply and expectations were that this situation would continue for some time. Demand for photo grade hydroquinone has been stepped up since last year and military requirements were expected to account for a greater volume in the future. Current prices for the photo grade range from $0.98 to $1.02 per pound in drums.

Menthol—Apparently the market has not yet reached the bottom. Quotations have continued to soften and at last reports, Brazilian was quoted nominally in the neighborhood of $9.50 per pound. Chinese menthol was holding up somewhat better than the Brazilian and was quoted nominally around $10.50 per pound. Whether the market would continue to weaken was a matter for conjecture since consumers apparently still have sufficient inventories to preclude the necessity of replenishment of stocks at present. Some observers hoped, however, that with Japanese material withdrawn from the market at present and the fact that Brazil would not be in a position to offer menthol for some time, that consumers would have to replenish stocks in the not too distant future. With the market at its present low, any sizable purchases were expected to push prices up to some extent.

Methanol—Demand for this alcohol continued to exceed supply despite peak production on the part of most producers. Although there had been some easing in demand from certain consumers of synthetic methanol, any slack resulting therefrom has been immediately absorbed by other sources, it was reported. Producers foretold a continuing tightness of this chemical for some time, based upon present consumption. The tight supply which continues to be evident with regard to the glycols, has had a definite bearing on the demand for methanol in anti-freeze compounds.

Supplies of natural methanol, denaturing grade, were still reported to be tight, although they were easier than earlier this year. Lack of facilities for the manufacture of wood alcohol has been responsible, to some extent, for the continued shortage of this material, according to some observers. Demand continues strong and any significant increase in the volume of consumption of specially denatured alcohols employing quantities of methanol as denaturant was expected to further aggravate the supply situation.

Methyl Salicylate—Supplies of this ester have shown some improvement in recent months, it was reported, in some quarters.

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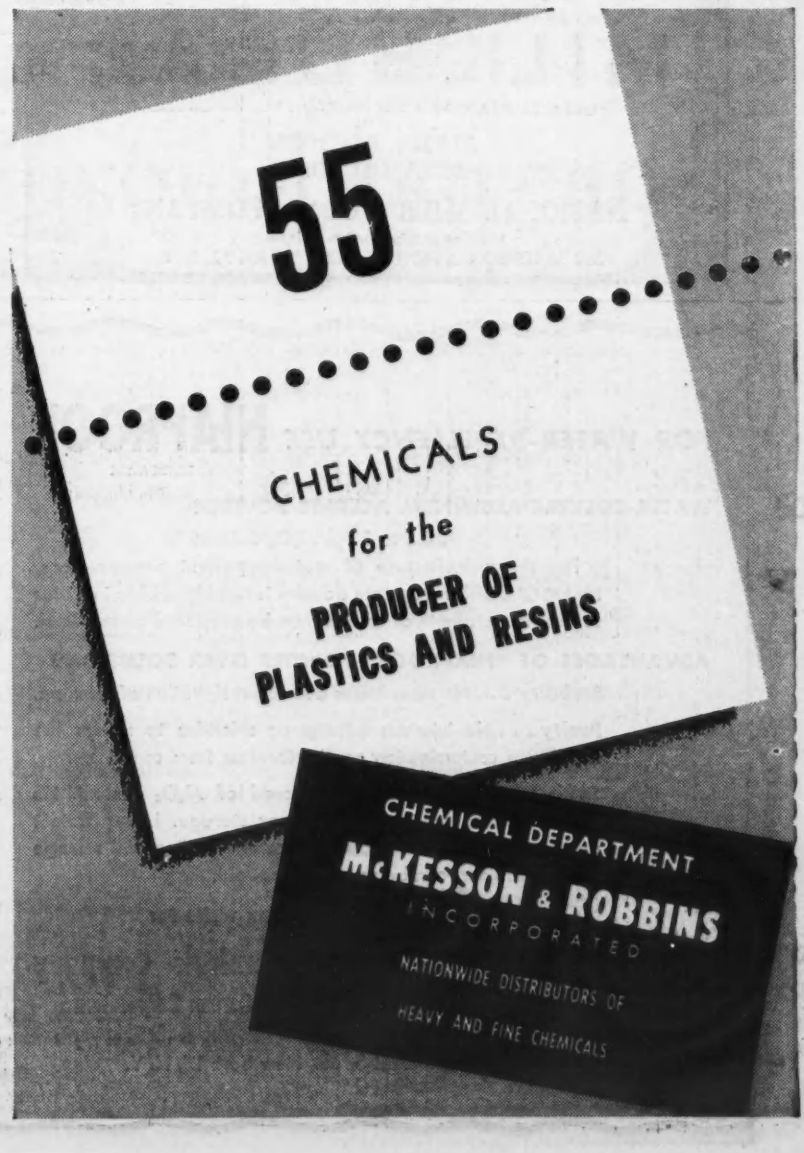

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However, the shortage of phenol continued to plague salicylate producers, with the result that supplies of this material continued short. Demand was said to have dropped off to some extent, thus alleviating the situation, but it was still running ahead of supply. No early improvement was expected.

Milk Powder—The market was steady to firm on spray process nonfat dry milk solids. Supplies of this material were about ample. The price at New York was advanced 15c. per pound. Supplies of roller process were short, the market being firm. Roller process was quoted at 14¾c. to 16¾c. per pound, while spray process was 15¾c. to 17¾c. The market was steady to firm on spray process whole milk. Supplies were relatively lighter, with demand fair to good. Prices were unchanged. No prices were reported, as usual, for roller process whole milk.

USDA purchases for the week ended September 27 totaled 4,619,429 pounds of spray processed nonfat dry milk solids. This brought the total of such material purchased to date to 54,179,368 pounds compared to the total of 250,880,881 pounds during the same period last year. Sales by the USDA totaled 60,000 pounds of the spray dried material during the same week. Total sales to date this year amounted to 23,175,845 pounds compared to the 1,141,661 pounds sold in the same period last year.

During the period January 1 through September 21, 1951, sales of nonfat dry milk solids from the domestic list totaled 26,850,469 pounds, the Commodity Credit Corporation reported. This quantity was sold for $3,315,181. Listed in the CCC commodities available for domestic sale during the month of October is 40,000,000 pounds of 1951 production, nonfat dry milk solids. This material is offered for sale to domestic consumers in carload lots only at 15¾c. per pound "in store" at location of stock in any state.

Molasses—Feed molasses demand continued moderate in most areas. Demand for cane blackstrap was slow in Clewiston and Savannah. Prices quoted at New Orleans for cane blackstrap ranged from 29½c. to 30c. per gallon with the low price prevailing. The price in Clewiston, Jacksonville, Mobile and Savannah was 29½c. per gallon. East and west coast prices for feed molasses remained steady. Supplies of cane blackstrap were adequate at all terminals for present demand except in Houston, where supplies were very limited. The quoted price at Houston was 31c. per gallon. At New York, Philadelphia and Norfolk prices quoted ranged from 36c. to 37c. per gallon, while at Boston the price was ½c. per gallon higher.

Beet molasses continued to be quoted at New York from 33.3 to 36.8c. per gallon, while quotations at California points ranged from 23.9c. to 26.9c. per gallon.

Supplies of citrus molasses remained very limited with a continued good demand.

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Prices continued unchanged, ranging from 14.3c. to 17.1c. per gallon, in tankcars and tanktrucks.

Polyoxyethylene Sorbitan Stearates—Following the steady decline of past months in the price of stearic acid, both the monostearate and the tristearate of polyethylene sorbitan were reduced 1c. per pound in the second reduction so far this year. The current schedule in effect for both stearates was 43c. per pound, in lots of 20,000 pounds or more; 45c. in lots from 10,000 to 20,000 pounds, with smaller lots ranging from 48c. to 50c. per pound.

Potassium Permanganate—Despite peak production schedules, demand for this chemical continued to exceed supply. The limiting factor in the production of sufficient permanganate to meet demand was reported to be insufficient capacity of existing manufacturing facilities. No improvement was anticipated in the immediate future and predictions were for a continuing shortage of this material for some time in the future. Deliveries of potassium permanganate were said to be behind, due to the excessive demand, and requests for the chemical for use in sanitation and the like were receiving priority. Prices for the technical material ranged from 22½c. to 23½c. per pound, f.o.b. works, while the USP grade was quoted at 24¾c. to 25¼c. per pound, on the same basis.

Sorbitan Stearates—Reflecting falling stearic acid prices, both sorbitan monostearate and tristearate were recently reduced 1c. per pound. Current quotations for the former were 33c. per pound in lots, 20,000 or more, 35c. in 10,000 to 20,000 pound lots with smaller lots ranging from 38c. to 40c. per pound. Sorbitan tristearate was quoted at 32c. per pound for 20,000 pounds or more, 34c. in lots of 10,000 to 20,000 pounds while smaller quantities ranged from 37c. to 39c. per pound.

Sugar—Distribution of sugar in the continental United States for civilian and military use during the week ended September 22, 1951, totaled 158,791 short tons, raw value, compared to the 152,307 tons during the corresponding week last year. Deliveries during the week ended September 15, 1951, totaled 167,337 short tons, same basis.

The USDA announced that distribution by primary distributors during the period January-June this year totaled 4,664,701 short tons at which time stocks on hand totaled 1,216,512 tons as compared with stocks of 635,218 tons on the same date a year earlier. Total distribution to date this year amounted to 5,789,368 tons compared to a total of 6,444,663 tons distributed in the corresponding week of 1950.

The status of the 1951 sugar quotas for the various sugar producing areas supplying the United States market was announced recently by the USDA. The report showed that the quantity of sugar charged against the quotas during January-August amounted to 5,628,104 short tons, raw value (partly estimated) as compared with 5,801,004 tons charged against such quotas during the same period of last year.

Sulpha Drugs—Demand for the sulfonamides continued at high levels. Supplies varied as to availability. In general, most of the sulfa drugs were tight, to some extent. Sulphathiazole, sulphamerazin and sulphadiazin were reported to be tighter than the others but here again availability varied with the producer. Prices remained unchanged.

Tannic Acid—Demand for this material was reported to be good. Supplies are adequate at present. The technical grade was quoted at 95c. per pound in drums. The USP, fluffy, in 1,000 pound lots, was quoted from $1.59 to $1.60 per pound with smaller lots ranging from $1.65 to $1.76 per pound. The powder, USP grade, was quoted at $1.50, in 1,000 pound lots while smaller lots ranged from $1.51 to $1.69 per pound.

National Alfalfa Opens New York Sales Office

J. C. Hearn, president of National Alfalfa Dehydrating & Milling Company, Lamar, Col., has announced the opening of a sales office of its special products division at 19 Rector street, New York. John R. Meyers has been named eastern sales representative for the division. Mr. Myers, formerly associated with Nopco Chemical Company, Harrison, N. J., in his new post will work out of National Alfalfa's New York office.

National Alfalfa has recently placed several new products on the market, including chlorophyll, phytol, "Alfax" (a betaine concentrate for feed use), xanthophyll and carotene. Several additional products are to be introduced early next year, according to the company. Sales activities of the special products division will be under Walter H. Kenlan, who will also make his headquarters in New York.

Meer Names Purcell Assistant to President

John Purcell has been named assistant to the president of the Meer Corporation, New York, in which capacity he will have charge of sales. Mr. Purcell first entered the chemical industry as a member of the insecticide division of Sherwin-Williams Company, Cleveland, Ohio. He served with McLaughlin Gormley King Company, Minneapolis, Minn., for five years and then joined R. J. Prentiss & Co., now Prentiss Drug & Chemical Company, New York, from which he resigned as vice-president after fifteen years of service. Meer Corporation recently opened a modern milling and drug extraction plant at North Bergen, N. J.

Parke, Davis Building New Whse.

Parke, Davis & Co., Detroit, Mich., has begun construction on a new $100,000 warehouse and distribution center at Menands, N. Y., near Albany. The new center will service northern New York state and New England.

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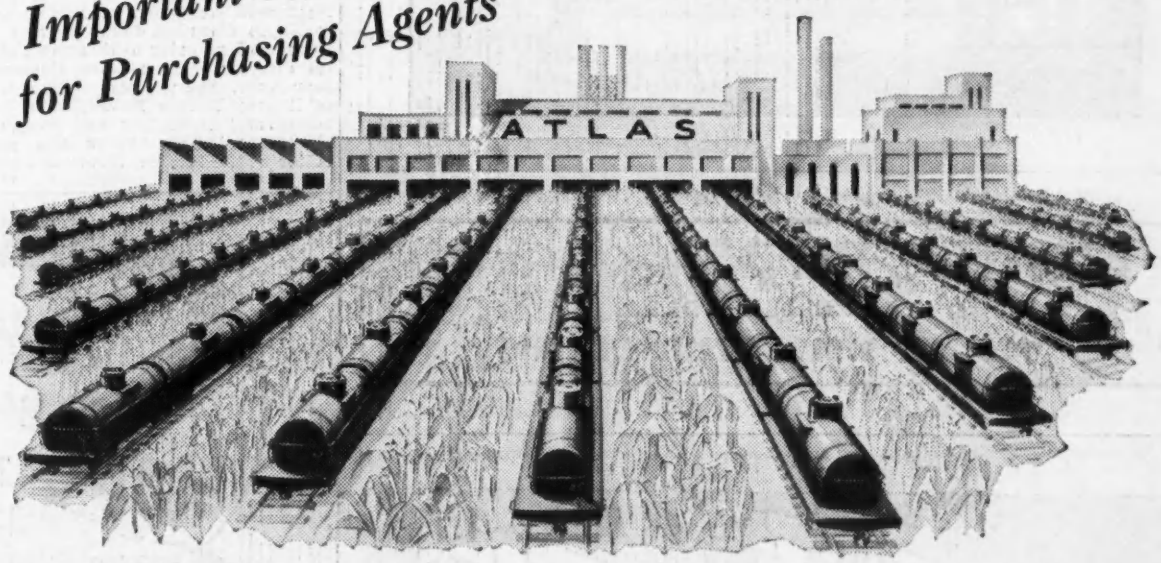

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Sharp & Dohme Assigns Three to Export Positions

Con M. Hewitt has been named manager of export field operations; James J. Kane, manager of export financial operations, and Alfred D. W. Freund, manager, Philadelphia export internal operations, it has been announced by William B. Wimpenney, director of foreign operations, Sharp & Dohme, Inc., Philadelphia.

Mr. Hewitt joined Sharp & Dohme in 1933 and has served as director of marketing in the company's domestic sales division since 1948. Mr. Kane came into the company in 1939 as an accountant, and, since 1947, has served as manager of the export financial department. Mr. Freund's service with Sharp & Dohme also dates back to 1939. Since 1949 he has been manager of the Cuban branch of Sharp & Dohme Export Corporation, a post he will continue to hold until his successor is named.

Dr. Roth Joins Armour

Dr. Catherine H. Roth has joined the professional services group of the medical department of the Armour Laboratories, Chicago, as an assistant medical director. Dr. Roth in her new post will work primarily with physicians, assisting in the preparation of scientific publications.

Immediately prior to joining Armour, Dr. Roth was medical director of the Bobst Pharmacal Company, medical consultant to Nopco Chemical Company and Pacific Laboratories. Prior to that she was medical director of Rare-Galen Company for four years. She was also medical director of Murray Breese Associates in medical advertising, marketing and research. At the present time she is also associate editor of the *Medical Women's Journal.*

Trade Briefs

Daniel J. Heald, has been awarded the first food processing fellowship at Illinois Institute of Technology.

Meyer Brothers Drug Company, St. Louis, Mo., last month celebrated its ninety-ninth anniversary.

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SKF Names Dr. Conner Research Labs Director

Dr. Robert T. Conner has been appointed director of the research and development laboratories of Smith, Kline & French Laboratories, Philadelphia. Mortimer W. Pratt has beeen named assistant to the vice-president in charge of research and development. Harold A. Clymer succeeds Mr. Pratt as development administrator, and Mason Fernald will fill the new position of research administrator.

In his new capacity, Dr. Conner will be directly responsible for the operations of the chemical, biological, and pharmaceutical research laboratories, working in cooperation with SKF's director of research and director of development. Previously technical assistant of the director of the laboratories, Dr. Conner succeeds Dr. Maurice L. Moore, who recently resigned to join another company.

Dr. Conner joined Smith, Kline & French in 1949. He was previously associated with the central research laboratories of the General Foods Corporation, the William H. Warner Company as technical director, and the Harrower Laboratories as vice-president of research and development.

Mr. Pratt joined SKF in 1940 as market analyst. After the war, he joined the research administrative staff, serving in several different capacities. Mr. Clymer joined SKF in 1939 as a pharmaceutical research chemist, became administrator of the research and development laboratories, and now will perform administrative duties in association with the director of development. Mr. Fernald was previously associated with the Monsanto Chemical Company, became chief chemist of its Longhorn Ordnance Works in Texas. In 1947 he joined the Sharples Chemicals, Inc., Philadelphia, and in 1950 joined Smith, Kline & French Laboratories as a member of the research staff.

Publicker Moves in N.Y.

Publicker Alcohol & Chemical Sales Corporation announces the removal of its New York offices to 424 Madison avenue, New York 17, effective today. The telephone number is Murray Hill 8-6379.

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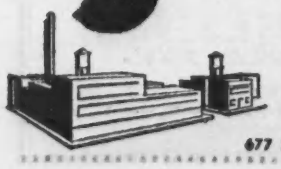

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ACCL to Hear C.E. Mack At November 15-16 Meeting

The American Council of Commercial Laboratories, which will hold its annual meeting November 15 and 16 at the Baker hotel, Dallas, Tex., has scheduled Clifton E. Mack, Commissioner of Federal Supply Service, General Services Administration, as guest speaker at its Southwestern Men of Science and Industry dinner. Mr. Mack will discuss "Testing and Inspection as Aids to Procurement." He will also hold a seminar with members of the council in special session explaining the operations of his agency.

Throm Retires as Vice-Pres. Of Commercial Chemicals

Charles H. Throm, vice-president of Commercial Chemicals, Inc., Buffalo, N. Y., is retiring, effective today, after twenty-seven years with the company and its predecessors, Rolls Chemical Company and H. J. Rolls. Commercial Chemicals has been a manufacturer's representative in New York since it was founded in 1916 by Mr. Rolls.

Southern Drug Meetings Set

The South Atlantic and Southern Atlantic Drug Clubs have announced their fall meeting dates. The South Atlantic Club will meet November 5 and 6 at the Piedmont hotel, Atlanta, Ga., while the Southern Drug Club will hold its meeting November 8 and 9 at the Roosevelt hotel, New Orleans, La.

Aureomycin Surgical Powder Developed by Lederle Labs

A new form of aureomycin for topical application as an adjunct to surgery was recently announced by Lederle Laboratories Division of American Cyanamid Company, Pearl River, N. Y.

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Murray Hill 5-6300

Bids Wanted

Acetylene gas, in bulk, 4,500,000 cubic feet, Army Engineers Corps, Philadelphia 1, invitation ENG-50, October 22.

Aluminum sulphate, filter alum, 50 tons, Quartermaster Contracting Office, Fort Bragg, N. C., invitation ENG-31, October 12.

Carbon tetrachloride, 50,000 cans, Army Engineers Corps, Philadelphia 1, invitation ENG-48, October 19.

Chemicals & drugs, various, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 362, October 17; invitation 360, October 15; invitation 357, October 17; hexavitamin capsules, procaine hydrochloride, orange peel tincture, and peppermint oil, Veterans Administration, Washington 25, invitation A-23, October 18; hydrochloric acid, soda lime, sodium chloride, pilocarpine hydrochloride, pilocarpine nitrate, potassium hydroxide, potassium iodide, phenol, methanol, magnesium sulphate, invitation A-22, October 16.

Chlorinated lime, 15,000 pounds, Navy Purchasing Office, New York 3, invitation 9046, October 11.

Cleaner, alkaline, class A, Frankford Arsenal, Philadelphia 37, invitation ORD-3-112, October 26.

Cornstarch, 15,024 pounds, Quartermaster Purchasing Office, 1819 West Pershing Road, Chicago 9, invitation 367, October 17.

Fire extinguisher charges, soda and acid type, 3,600, Federal Supply Service, Washington 25, invitation 2W-3202-R, October 12; 636, same, Chicago 6, invitation CH-34840, October 18.

Glue, marine, 45,000 pounds, Quartermaster Procurement Agency, New York 3, invitation 324, October 15.

Graphite, 36 pounds, Government Printing Office, Washington 25, invitation 2984, October 10.

Hydrogen peroxide, 12,600 pounds, Navy Purchasing Office, New York 3, invitation 9039, October 23.

Isopropyl alcohol, 7,020 gallons, Veterans Administration, Washington 25, invitation A-23, October 18.

Methyl methacrylate, as required from January 2 through June 30, 1952, Veterans Administration, Washington 25, invitation R-35, October 16.

Olive oil, 1,416 quarts, Veterans Administration, Washington 25, invitation A-23, October 18.

Paint & allied products: paint, interior, 350,000 gallons, Navy Department, Aviation Supply Office, Philadelphia 11; invitation B-54.159, October 19; paint, 800 gallons, Army Quartermaster, Building T-392, Fort Lee, Va., invitation 20, October 17; enamel, 400 gallons, varnish, 100 gallons, and oil paint, 250 gallons, same, Fort Leavenworth, Kansas, invitation 9, October 11; paint, coal tar, 550 gallons, Bureau of Reclamation, Big Horn District, Cody, Wyoming, invitation 601-S-3184, October 11; paint, rubber base, 2,400 gallons, Federal Supply Service, Washington 25, invitation 3G-99911-R-1, October 16; lacquer and varnish, Veterans Administration, Washington 25, invitation M-100, October 24.

Phenylephrine hydrochloride jelly and solution, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 345, October 16.

Photographic chemicals, as required from February 1, 1952, Federal Supply Service, Washington 25, classes 18 and 51, part II, and class 53, part III, October 23.

Pyridoxine hydrochloride solution, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 358, October 16.

Rosin, 612,000 pounds, Navy Department, Aviation Supply Office, Philadelphia 1, invitation B-54,-161, October 23.

Salt, rock, 50 tons, Veterans Administration Hospital, Roanoke 17, Va., invitation 69, October 11.

Sodium bichromate, 30,000 pounds, Navy Purchasing Office, New York 3, invitation 9055, October 29.

Sodium borate, 5,760 one-pound bottles, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 355, October 17.

Sodium phosphate, tribasic, 3,552 one-pound bottles, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 355, October 17.

Spices, unspecified, Army Engineers Corps, Ft. Devens, Mass., invitation QM-29, October 15, chili powder, 504 pounds, garlic, powdered, 1,250 pounds, pepper, black, 6,000 pounds, capsicum, 750 pounds, ginger, 480 pounds, sage, 480 pounds, Quartermaster Procurement Agency, New York 3, invitation 290, October 29.

Terpin hydrate, 3,360 one-pound bottles, Armed Services Medical Procurement Agency, Brooklyn 1, N. Y., invitation 355, October 17.

Trichlorethylene, 2,000 pounds, Government Printing Office, Washington 25, invitation 2897, October 10.

Quaker Oats Ass't General Managership to R. Fincher

Robert K. Fincher has been appointed assistant general manager of the Memphis, Tenn., furfural chemical plant of the Quaker Oats Company. Mr. Fincher, who has been acting assistant plant manager since July 1, joined Quaker Oats as manager of the engineering department of the Memphis furfural plant in 1946. Previous to that he had been a test engineer for the Memphis Power & Light Company and assistant power superintendent of the E. I. duPont de Nemours & Co., Wilmington, Del.

APMA in New Quarters

The American Pharmaceutical Manufacturers' Association has moved into new offices in suite 1732 at 30 Rockefeller Plaza, New York. The new telephone number is PLaza 7-5935.

Imports at United States Ports

New York

ACID, ASCORBIC POWDER—30 cs, Biddle Sawyer, Rotterdam
AGAR—7 bls, Dodwell & Co, Nagoya
AMBER—1 cs, G Wartemburg, Lisbon
AMMONIA CARBONATE—36 dms, Glasgow
ANILIN DYES—1 dm, Hudson Shipping Co, Rotterdam
42 cans, Hensel Bruckmann & Lorbacher, Rotterdam
244 dms, Hensel Bruckmann & Lorbacher, Rotterdam
19 kgs, Sandoz Chemical Works, Rotterdam
110 dms, Ciba Co, Rotterdam
13 dms, Sandoz Chemical Works, Havre
2 dms, Gondrand Bros, Havre
ANTIMONY ORE—356 bgs, Metal Transport Corp, Callao
ARGOLS—2,500 bgs, Tartaric Raw Materials, Messina
1,000 bgs, Irving Trust Co, Lisbon
ARROWROOT—2,600 bgs, Morningstar Nicol, St Vincent
ARSENIC, METALLIC—140 dms, C Tennant Sons & Co, Avonmouth
BARIUM CARBONATE—500 bgs, Millmaster Chemical Corp, Rotterdam
CHLORATE—200 dms, International Selling Corp, Marseille
BAUXITE ORE—3,976 tons, Alcoa Mining Co, Paramaribo
BAY OIL—1 dm, Middleton & Co, Dominica
1 dm, Royal Bank of Canada, Roseau
BEESWAX—13 bgs, W R Grace & Co, Valparaiso
52 bgs, Royal Bank of Canada, Lisbon
52 bgs, Brown Bros, Lisbon
101 bgs, Lisbon
30 bgs, Ciudad Trujillo
42 bgs, Port Au Prince
BERGAMOT OIL—16 qu cs, Bank of Manhattan Co, Messina
16 hf cs, Citrus & Allied Essential Oils, Messina
12 cs, Messina
BISMUTH—32 cs, Cerro de Pasco, Callao
BONE—565 bls, International Packers Commercial Co, Buenos Aires
530 bgs, International Packers Commercial Co, Buenos Aires
565 bls, International Packers Commercial Co, Buenos Aires
2,504 bgs, Transatlantic Animal By Products Corp, Alexandria
CAMPHOR OIL—5 dms, Dodge & Olcott, Keelung
CARAWAY SEED—100 bgs, Catz American Co, Rotterdam
150 bgs, R J Spitz, Rotterdam
200 bgs, A Cronowitz, Rotterdam
300 bgs, Louis Furth, Rotterdam
450 bgs, Rotterdam
CARDAMOM SEED—56 cs, W E Martin Co, Puerto Barrios
CASEIN—1,000 bgs, American Cyanamid Co, Gothenburg
998 bgs, Bordeaux
CASHEWNUT SHELL LIQUID—293 tons, Irvington Varnish & Insulator Co, Cochin
CASSIA—13 bls, Wah Young Co, Manila
CASTOR BEANS—2,694 bgs, Spencer Kellogg, Salvador-Bahia
800 bgs, Spencer Kellogg, Port de Paix
CELERYSEED—175 bgs, Lo Curto & Funk, Bombay
125 bgs, R Howe, Marseille
CHESTNUT EXTRACT—494 bgs, Barkey Importing Co, Naples
4,000 bgs, Barkey Importing Co, Genoa
CINNAMON QUILLS—100 bls, Fritzsche Bros, Colombo
30 bls, Curacao Trading Co, Colombo
CITRONELLA OIL—4 dms, M Garbie Mercantile Co, Hong Kong
15 dms, Sembodja Corp, Keelung
15 dms, Kane Import Co, Keelung
25 dms, van Ameringen-Haebler, Keelung
11 dms, Magnus, Mabee & Reynard, Keelung
CIVET—3 cs, Aden
CLAY, BALL—100 tons, Moore & Munger, Avonmouth
224 tons, United Clay Mines Corp, Avonmouth
1,000 bgs, United Clay Mines Corp, Avonmouth
CHINA—302 tons, J W Higman Co, Avonmouth
COALTAR DYES—20 dms, C H Hayne, Antwerp
1 dm, U S Rubber Co, Rotterdam
COCHINEAL—101 bgs, Gillespie & Co, Callao
COCONUT OIL—500 tons, E F Drew, Manila
921 tons, E F Drew, Manila
COD OIL—149 dms, Atlas Refinery, Inc, St Johns
1 ck, Atlas Refinery, Inc, St Johns
250 dms, Brown Bros, St Johns
FATTY ACID—100 dms, Atlas Refinery, Aalesund
CODLIVER OIL—34 dms, Arista Oil Products Co, Aalesund
100 dms, Whitmoyer Laboratories, St Johns
FATTY ACID—1 cs, Arista Oil Products Co, Aalesund
COPAL GUM—24 bgs, W H Scheel, Manila
36 bgs, O G Innes, Manila
CRESYL C ACID—100 dms, Glasgow
CUTTLEFISH BONE—250 cs, American Cuttlefish Bone Co, Crucible Co, La Goulette
DAMMAR GUM—26 cs, O G Innes, Bangkok
DIMETHYL SULPHATE—38 dms, World Commerce Corp, Antwerp
DOGWOOD BARK—1 bls, Lydia E Pinkham Medicine Co, Kingston
44 bgs, Peck & Velsor, Kingston
EPSOM SALTS—1 bgs, Wilson & Co, Bremen
1,200 bgs, Millmaster Chemical Co, Bremen
ERGOT—20 dms, Burrroughs Wellcome & Co, Leixoes
40 bgs, Burroughs Wellcome & Co, Leixoes
FISHLIVER OIL—3 dms, National City Bank, Yokohama
10 dms, Consumers Import Co, Yokohama
35 dms, Ovimpex Inc, Keelung
3 dms, Strong, Cobb & Co, Yokohama
FUEL OIL—138,000 bbls, Esso Export Co, Aruba
83,112 bbls, Hess Inc, Aruba
600,802 bbls, Esso Standard Oil Co, Aruba
10,000 bbls, Asiatic Petroleum Corp, Curacao
FULLERS EARTH—1,200 bgs, L A Salomon & Bros, Avonmouth
GELATIN—19 bbls, Colgnet Chemical Co, Antwerp
GENTIAN ROOT—53 bgs, Royal Bank of Canada, Havre
GINGER ROOT—19 bgs, Landes & Balint, Kingston
25 bgs, A D Brown, Bangkok
GLYCERIN—135 tons, Procter & Gamble, Manila
GRAPHITE—2,473 bgs, Asbury Graphite Mills, Bergen
113 bgs, Meyer Shipping Co, Bergen
GYPSUM—4,959 tons, National Gypsum Co, Little Narrows
10,251 tons, U S Gypsum Co, Hantsport
400 bgs, Whittaker, Clark & Daniels, Manchester
IRON OXIDE, RED—870 bgs, C H Williams & Co, Malaga
1,740 bgs, C J Osborne Co, Malaga
YELLOW—200 bgs, Hudson Shipping Co, Bremen
KARAYA GUM—183 bgs, Block Drug Co, Bombay
246 bgs, J B Gruman, Bombay
61 bgs, S B Penick & Co, Bombay
25 bgs, Dodwell & Co, Bombay
133 bgs, Brown Bros, Bombay
64 bgs, Stein Hall & Co, Bombay
KOLA NUTS—104 bgs, D Steengrafe, Kingston
LEMON OIL—20 qtr cs, Credit Sussie, Messina
100 qtr cs, Corn Exchange Bank, Messina
LEMONGRASS OIL—1 dm, W J Bush, Port au Prince
9 dms, Lo Curto & Funk, Cochin
12 dms, Chas Pfizer & Co, El Salvador
1 dm, Fritzsche Bros, El Salvador
LIME OIL—12 cs, Dodge & Olcott, St Lucia
3 cs, W J Bush & Co, St Johns
1 dm, George Lueders & Co, Port au Prince
MACE—20 bgs, Rotterdam
MAGNESITE—1,956 bgs, Golwyne Chemical Corp, Madras
MENTHOL—26 cs, Volkart Brus, Rio de Janeiro
MERCURIC OXIDE—2 cs, Southampton
METHYL BROMIDE—3 cs, Gillespie & Co, Cristobal
MILK POWDER—1,700 dms, D L Sterling & Sons, Rotterdam
125 cans, Rotterdam
MOLASSES—60 bbls, Colonial Molasses Co, Bridgetown
MUSTARD SEED—345 bgs, C G Gulden, Rotterdam
MYROBALANS—1,091 bgs, Barkey Importing Co, Bombay
NAPHTHALENE—1,428 bgs, American Cyanamid Co, Rotterdam
484 bgs, Antwerp
NIGERSEED—134 bgs, Harshey Co, Bombay
NUTMEGS—62 bgs, Neebrugge & Day, Grenada
100 bgs, Middleton & Co, Grenada
80 bgs, J D Smith, Grenada
OURICURY WAX—56 bgs, Strahl & Pitsch, Salvador-Bahia
54 bgs, Wessel Duval & Co, Salvador-Bahia
PAPAIN—32 cs, C L Huisking, Colombo
PAPRIKA—850 bgs, A A Sayia & Co, Alicante
PATCHOULI OIL—7 cs, Florasynth Laboratories, Penang
PEATMOSS—3,500 bls, Premier Peatmoss Corp, Bremen
600 bls, Bruco Peatmoss Corp, Bremen
1,000 bls, E J Lang, Bremen
1,825 bls, J E Bernard, Bremen
500 bls, Halfmoon Mfg & Trading Co, Rotterdam
PEPPER, BLACK—240 bgs, M Golodetz Co, Cochin
100 bgs, Joensson & Cross, Cochin
50 bgs, A C Israel, Cochin
80 bgs, Bansidhar Gopaldas, Cochin
240 bgs, Joensson & Cross, Bombay
80 bgs, A C Israel, Bombay
WHITE—14 bgs, Mincing Trading Corp, Singapore
PERU BALSAM—2 dms, Meer Corp, Cristobal
15 dms, Magnus Mabee & Reynard, El Salvador
PETROLEUM, CRUDE—68,938 bbls, Cities Service Oil Co, Tampico
100,773 bbls, Esso Standard Oil Co, Las Piedras
140,850 bbls, Esso Standard Oil Co, Cartagena
PIMENTO—100 bgs, John Holt & Co, Kingston
200 bgs, Otto Gerdau, Kingston
73 bgs, Fritzsche Bros, Kingston
LEAF OIL—3 dms, Fritzsche Bros, Kingston
3 dms, Dodge & Olcott, Kingston
1 dm, Ungerer & Co, Kingston
POLLACKLIVER OIL—30 dms, Consumers Import Co, Yokohama
50 dms, International Fisheries Corp, Yokohama
40 dms, H A Gogarty, Yokohama
50 dms, Interocean Chemical & Minerals Corp, Yokohama
80 dms, Silmo Chemical Corp, Yokohama
20 dms, Scandinavian Oil Co, Yokohama
40 dms, Albumina Supply Co, Yokohama
POPPY SEED—200 bgs, Sembodja Corp, Rotterdam
100 bgs, Catz American Co, Rotterdam
OIL—26 dms, Strohmeyer & Arpe, Antwerp
POTASH, CAUSTIC—300 dms, Bergstrom Trading Co, Gothenburg
POTASSIUM BICHROMATE—42 dms, Hudson Shipping Corp, Rotterdam
CHLORATE—100 cs, Gothenburg
PRUSSIATE—25 cks, Rotterdam
PSYLLIUM SEED—479 bgs, S B Penick & Co, Bombay
300 bgs, T M Duche & Sons, Bombay
20 bgs, R Howe, Marseille
QUEBRACHO EXTRACT—480 bgs, C M Loeb Rhoades, Buenos Aires
QUICKSILVER—24 bots, Metal Transport Corp, Rotterdam
RESIN PIGMENT—16 cans, Bunge Corp, Rotterdam
SAGE LEAVES—40 bls, S B Penick & Co, Naples
SCHEELITE—451 bgs, National City Bank, Leixoes
SEEDLAC—400 bgs, C H Timm, Calcutta
400 bgs, Schwab Bros, Calcutta
SENNA LEAVES—20 bls, Meer Corp, Colombo
64 bls, Prentiss Drug & Chemical Co, Colombo
SESAME SEED—200 bgs, Archibald & Kendall, Cristobal
900 bgs, Wm G Scarlett, Cristobal
134 bgs, Bank of America, Cristobal
150 bgs, Louis Furth, Cristobal
SHARKLIVER OIL—65 dms, Collett-Week-Nibecker, Keelung
30 dms, M W Henry & Co, Yokohama
30 dms, Corn Exchange Bank, Yokohama
46 dms, Transocean Commerce, Inc, Yokohama
15 dms, Wilbur Ellis Co, Yokohama
6 dms, Collett-Week-Nibecker, Oslo
SHELLAC—14 cs, F H Paul & Stein Bros, Rotterdam
400 bgs, Colony Import & Export Corp, Calcutta
200 bgs, Ascher Trading Co, Calcutta
966 bgs, Colonial Commerce Co, Hamburg
SODIUM SILICOFLUORIDE—400 bgs, Henry Sundheimer, Hamburg
SULPHUR—7 bgs, Chemical Construction Co, Antofagasta
SWORDLIVER OIL—3 dms, Consumers Import Co, Yokohama
TALC—21,787 bgs, Charles Mathieu, Genoa
TAMARIND—17 bbls, Peck & Velsor, St Johns
TAPIOCA FLOUR—2,820 bgs, Stein, Hall & Co, Itajai
12,387 bgs, Geismar & Co, Itajai
377 bgs, Poons Co, Bangkok
TAR ACID—50 dms, Philipp Bros, Liverpool
TARA POWDER—250 bgs, Salaverry
TEA FLUFF—709 bgs, Citro Chemical Co, Colombo
WASTE—777 bgs, Maywood Chemical Works, Calcutta
TOLU, BALSAM—25 cs, J G Craig, Barranquilla
20 cs, Corn Exchange Bank, Barranquilla
TRICHLOROETHYLENE—25 dms, Aceto Chemical Co, Oslo
39 dms, Rolf Fredner, Oslo
TUNA GUM—234 cs, L A Dreyfus, Cristobal
ULTRAMARINE BLUE—50 bbls, Intermaritime Forwarding Co, Rotterdam
50 bbls, W H Eakins, Rotterdam
1 ck, M Grumbacher, Rotterdam
UREA—500 bgs, Chemical Mfg Co, Liverpool
VANADIUM CONCENTRATES — 2,000 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—48 cs, George Uhe Co, Marseille
18 crts, Royal Bank of Canada, Roseau
WHITING—1,200 bgs, N H Weitzner, Antwerp
WOLFRAM CONCENTRATES — 232 bgs, South American Minerals & Mdse Corp, Callao
ORE—100 bgs, Penson & Co, Lisbon
437 bgs, National City Bank, Bangkok
268 bgs, Tailey Metal Co, Bangkok
200 bgs, Lisbon

Baltimore

AMMONIUM CHLORIDE—500 bgs, Chemical Mfg Co, Liverpool
BONEMEAL—1,102 bgs, E J Lang, Antwerp
CARAWAY SEED—400 bgs, Wm G Scarlett, Rotterdam
400 bgs, Rotterdam
CHROME ORE—3,000 tons, E J Lavino, Masinlac
2,500 tons, Union Carbide & Carbon Corp, Izmir
IRON OXIDE, RED—1,248 bgs, Mineral Pigments Corp, Malaga
160 bbls, Malaga
LEATHERMEAL—2,497 bgs, Ashcroft Wilkinson Co, Liverpool
MANGANESE ORE—9,300 tons, Chase National Bank, Durban
450 tons, Union Carbide & Carbon Corp, Cebu
2,540 tons, Mercantile Metal & Ore Corp, Cavalla
PEATMOSS—1,900 bls, S Shapiro, Bremen
2,080 bls, Halfmoon Mfg & Trading Co, Rotterdam
400 bls, Premier Peatmoss Corp, Bremen
QUEBRACHO EXTRACT—5,147 bgs, River Plate Import & Export Corp., Buenos Aires
WOOLGREASE—5 dms, Eelsingh & Lugtigheid, Rotterdam

Boston

ANILIN DYE—1 dm, Int Trading Co, Rotterdam
GLUE—221 bgs, Nicolson & Co, Rotterdam
STOCK—34 bls, John Gorvers, Guayaquil
MILK POWDER—500 dms, D L Sterling Sons, Rotterdam
PEATMOSS—350 bls, Halfmoon Mfg & Trading Co, Rotterdam
POLYVINYL CHLORIDE—20 cks, Bolta Co, Rotterdam
SEEDLAC—81 bgs, J H Ross, Bangkok
TAPIOCA FLOUR—283 bgs, F R Dolan, Bangkok
3,500 bgs, Geismar & Co, Santos
TARTARIC ACID—109 bgs, W C Durfill Co, Rotterdam
UREA—500 bgs, Chemical Mfg Co, Liverpool
WHITING—800 bgs, Pluess Stauffer, Antwerp

Los Angeles

AGAR AGAR—10 bls, Industrial Exports Corp, Nagoya
BLACKSTRAP MOLASSES — 9,176 metric tons, Takao
BONEMEAL—600 bgs, Frank P Dow Co, Liverpool
CARAWAY SEED—200 bgs, D Hecht & Co, Antwerp
CUMIN SEED—295 bgs, Consolidated Grocers Corp, La Havre
COPRA—500 long tons, American Trust Co, Cebu
489.98 long tons, Procter & Gamble Co, Jolo
1,568.38 long tons, Procter & Gamble Co, Cebu
315 long tons, Procter & Gamble Co, Nasipit
250 long tons, Oil & Meal Co, Ltd, Isabela
1,000 long tons, Vegetable Oil Products Co, Inc, Siain
CAKE—6,720 bgs, Procter & Gamble Co, Manila

Norfolk

FERTILIZER—1,029 bgs, J C Jett, Manchester
PEATMOSS—100 bls, Halfmoon Mfg & Trading Co, Rotterdam
UREA—1,500 bgs, Chemical Mfg Co, Liverpool

Philadelphia

ANTIMONY ORE—444 bgs, Harshaw Chemical Co, Vera Cruz
ASBESTOS FIBER—125 bgs, First National Bank, Durban
CASTOR OIL—305 tons, Western Cottonoil Co, Santos
CHROME ORE—1,497 tons, Lourenco Marques
CRESOL—150 dms, Phila National Bank, Rotterdam
CRYOLITE—1,950 tons, Penna Salt Co, Ivigtut
CUTTLE FISH BONE—112 cs, Bordeaux
GLUESTOCK — 150 bls, Chase National Bank, Leixoes
GYPSUM—10,922 tons, U S Gypsum Co, Hantsport
HEXAMETHYLENE—147 dms, Manufacturers Trust Co, Rotterdam
IRON OXIDE—1,000 bgs, Mineral Pigment Corp, Rotterdam
LEAD—500 tons, E I du Pont de Nemours, Callao
LEPIDOLITE ORE—161 tons, Walvis Bay
MAGNESITE—1,887 bgs, First National Bank Cincinnati, Rotterdam
MILK POWDER—500 crts, Hobson Co, Rotterdam
PEATMOSS—1,100 bls, Bank of Manhattan Co, Bremen
1,300 bls, Bremen
1,950 bls, E J Lang, Bremen
1,948 bls, Halfmoon Mfg Co, Rotterdam
PETROLEUM CRUDE—118,007 bbls, Atlantic Refining Co, Pamatacual
115,138 bbls, Atlantic Refining Co, Mena Al Ahmadi
247,646 bbls, Gulf Oil Corp, Puerto la Cruz
1,170,672 bbls, Gulf Oil Corp, Mena Al Ahmadi
105,007 bbls, Socony Vacuum Oil Co, Mena of Ahmadi
231,685 bbls, The Texas Co, Pamatacual
116,328 bbls, The Texas Co, Las Piedras
242,026 bbls, Socony Vacuum Oil Co, Covenas
QUEBRACHO EXTRACT—1,571 bgs, Schlichter Co, Buenos Aires
100 bgs, Colony Import & Export Corp, Calcutta
TAPIOCA—3,000 bgs, Geismar & Co, Itajai
600 bgs, J P Morgan, Itajai
FLOUR—3,325 bgs, Itajai
WATTLE BARK—1,499 bgs, Holt & Co, Walvis Bay
EXTRACT—1,060 bgs, Manufacturers Trust Co, Mombasa

San Francisco

COPRA CAKE—179 tons, Balfour Guthrie, Cebu
MEAL—314 tons, Pacific Vegetable Oil Corp, Cebu
CREOSOTE—350 tons, Bernuth-Lembcke Co, Immingham
NUTMEGS—150 bgs, Royal Bank of Canada, Port of Spain
PETROLEUM, CRUDE—14,831 tons, Standard Oil Co, Miri
TAPIOCA FLOUR—417 bgs, Santos

US Revenue Returns Increased During August

Collections of internal revenue during August totaled $4,893,431,411.70, as compared with $3,649,622,285.20 in the corresponding month of 1950, according to the Bureau of Internal Revenue of the Treasury Department. Among the collections reported by the bureau were the following:—

	August	
	1951	1950
Coconut and other vegetable oils, processed	$1,696,810.35	$1,723,041.97
Distilled spirits, domestic, excise tax	106,063,932.87	211,537,459.49
Distilled spirits, imported, excise tax	12,662,448.41	17,096,515.30
Gasoline	64,817,496.97	52,018,883.35
Lubricating oils	9,730,976.19	9,971,709.48
Matches	371,017.44	468,869.92
Narcotics, including marihuana and special taxes	34,237.69	49,332.85
Oleomargarine, including special taxes	*	6,600.52
Silver bullion sales or transfers, stamp tax	1,147.34	6,858.55
Sugar	8,258,307.66	10,893,796.57
Toilet preparations, excise tax	10,252,706.86	9,671,335.08
Transportation of oil by pipeline	2,458,055.38	2,105,304.28

* Included in an overall classification titled, "all other, including repealed taxes not listed above," which, for August, was reported at $54,401.26.

Obituaries

R. F. Baity

R. F. Baity, vice-president in charge of sales of Standard Oil Company (Indiana), Chicago, died September 30 in Kenilworth, Ill. He was fifty-three years of age.

Mr. Baity joined Standard Oil in 1920 as a service station attendant at Indianapolis, Ind., and worked his way up to division sales manager there. After serving in executive posts of the company in South Bend, Ind.; Detroit, Mich.; Chicago, and Davenport, Iowa, he returned to Indianapolis as manager in 1940. The following year he was moved to the firm's headquarters in Chicago as assistant general manager of sales. In 1947 he was made a director and later the same year he was promoted to general manager of sales. He became vice-president in 1949.

Frederick W. Fitch

Frederick W. Fitch, founder of F. W. Fitch Company, Des Moines, Iowa, died October 1 at his home in that city. He was eighty-one years old.

While working as a barber, Mr. Fitch worked out the formula for the hair tonic which later became world famous. He founded his hair tonic and shampoo concern in 1892 in Boone, Iowa. The company was moved to Des Moines in 1917, and plants were later established in Bayonne, N. J.; Los Angeles, Calif.; Jackson, Miss., and Toronto, Canada. Mr. Fitch operated the firm until it was sold to Groves Laboratories, Inc., St. Louis, Mo., in 1949.

Harold B. Sweatt

Harold B. Sweatt, secretary-treasurer of the National Association of Glue Manufacturers and Gelatin Manufacturers, the Dry Color Association and the Processing Oils Association, died September 29 in Garden City, L. I. He was sixty-four years of age.

Charles F. Weber

Charles F. Weber, who retired in January as vice-president and treasurer of Allied Chemical & Dye Corporation, New York, died September 29 at his home in Elmsford, N. Y. He was sixty-nine years old.

Mr. Weber joined Allied in 1920 after having worked during World War I for two aircraft manufacturing concerns. He became vice-president and treasurer of Allied in 1934. At the time of his resignation he became a member of the board and remained a director until his death.

Joseph J. Bieser, senior partner of Michigan Capsule Company, Detroit, Mich., died September 17.

Adolph Bregman, consulting engineer specializing in electrochemistry, died October 4 at his home in New York. He was sixty-one. Among other positions, Mr. Bregman served as assistant superintendent of the Wanakah Mining Company, Ouray, Col., superintendent of the Columbia Smelting & Refining Company, New York, and engineer of the Nichols Copper Company, Laurel Hill, L. I., before starting his own consulting business in 1938.

Lawrence H. Gerson, president and one of the founders of Gerson-Stewart Company, Cleveland, Ohio, died October 2 at his home in Chagrin Falls, Ohio. He was sixty-three years old. Mr. Gerson participated in the founding of the Cleveland industrial chemicals manufacturing concern in 1914.

Albert Leitstein, general manager of the featured fabric finishes department of Warwick Chemical Company, a division of Sun Chemical Corporation, Long Island City, N. Y., died September 28. He was forty-five years old. Prior to joining Warwick, Mr. Leitstein had been associated with L. Sonneborn Sons, Inc., and Chopak Textile Corporation.

Dr. William McPherson, dean emeritus of Ohio State University graduate school, Columbus, Ohio, and for forty-five years a member of the university's chemistry faculty, died October 2. He was eighty-seven.

Calvin Sterling, head of the analytical section of International Nickel Company's research laboratory at Bayonne, N. J., died October 1 in Plainfield, N. J. He was forty-nine.

Wilbur S. Wilding, who joined the War Production Board ten years ago as an industrial specialist and later served with the chemical branch of the Department of Commerce, died October 1 in Washington, D. C. He was seventy. Mr. Wilding retired in 1949.

Dr. Lynne K. Wood, soil chemist with the agronomy department of the University of Kentucky agricultural experiment station, Lexington, Ky., died September 29 in that city. He was thirty-six.

Fair Trade Council Annual Meeting Scheduled Nov. 7-8

The American Fair Trade Council will hold its twelfth annual meeting November 7 and 8 at the Waldorf-Astoria hotel, New York. The seventh will be devoted to meetings of the board of directors, to be followed on the morning of November 8 by the members' annual business meeting. The council's open forum luncheon meeting will be held the afternoon of the eighth. Discussions by special panels will concern the present status of fair trade and plans to restore fair trade to its full effectiveness.

Beal Award to G. O. Young

G. O. Young, who operated a drug store with some wholesaling adjunct in Buckhannon, W. Va., for forty-four years prior to his retirement a few years ago, received from the West Virginia State Pharmaceutical Association at its convention this year the 1951 award of the plaque, founded by the late Dr. James H. Beal in that state, and in Florida, Ohio, and Pennsylvania, to honor the furthering of the profession of pharmacy. Mr. Young is president of the American Druggists Fire Insurance Company, was a member of the Senate of the state of West Virginia, served the state pharmaceutical organization as secretary and president, and wrote a book on his hunting experiences in Alaska and the Yukon.

Haines in OPS Post

William E. Haines has been named assistant coordinator for government purchases and sales, the Office of Price Stabilization announced October 2. He will work with the coordinator, Thomas B. Worsley, in the development, coordination and clearance of OPS policy and actions relating to government purchases and sales and in liaison with other agencies regarding these matters. Mr. Haines came to OPS last December and has served in the office of the economic advisor and in the transportation, public utilities and fuels division.

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Botanical Drugs, Spices, Gums

Demand for botanical drugs improved moderately last week. In condimental drugs, the call was very small. The seasonal gain of consumer interest in drugs gave rise to a hope that a more active period of selling would continue to develop. However, prices for drug items moved almost exclusively downward being, however, about evenly divided between domestic and foreign botanics. In condimentals, declines exceeded advances by a wide margin.

Domestic drugs selling at lower levels included aletris, blood, and lady's slipper roots, and also buckthorn, cottonroot and thin natural cherry barks. Imported drugs that were cheaper were cornsilk, hawthorn and juniper berries, and bitter as well as sweet orange peel. Most changes were conservative in degree and were mainly a readjustment of spot quotations to conform with replacement cost, available stock, and volume of demand—as the case might be. Drug prices that moved upward included those for cascara bark, copaiba balsam, and black psyllium seed.

Determination of price ceilings on imported botanical drugs posed a substantial problem for the reason that the Office of Price Stabilization price control centers on regulation the markup margins to be applied to cost prices, which makes it a variable affair. It would appear that honesty of intention becomes a determining factor in the end result. The fact seemed to be that once ceilings have been determined, the policy of numerous dealers will be to keep their prices below the ceiling as evidence of their intentions with respect to curbing inflation and meeting what seem to them to be the requirements of the Office of Price Stabilization with respect to imported botanicals. That it would be far more simple if imported botanicals as a whole were price-decontrolled seemed to be general opinion on spot. Also, it was felt that such decontrol would also attain the end which OPS desires.

Balsams

Copaiba—The spot market became firmer and then stronger last week, ending the period at the higher level of $1.55 to $1.65 per pound depending on suppliers. Price competition was less active.

Fir—Prices held steady at all points, showing more than a modicum of stability and revealing no tendency further to move in favor of buyers because of the replacement situation.

Peru—The market ruled in steady fashion at prices unchanged from levels reached in recent weeks when additions to spot stocks came on the market at lower prices for consumer purchases. Stocks appeared to be sufficient to cover any reasonable expansion in consumer requirements.

Tolu—Rather wide differences in sellers' price opinions continued to keep the range wide at $6.10 to $6.75 per pound. Demand was routine in character and moderate in size.

Barks

Buckthorn—Fair stocks and a not very active demand combined to bring spot quotations lower at 13c. to 15c. per pound for whole bark and 18c. to 21c. for cut and sifted material.

Cascara Sagrada—Weak holders have been apparently shaken out of the market, resulting in price advances and, it was said, reaching levels warranted by first costs. The weakness earlier in the season has been succeeded by a much firmer undertone and quotations on a New York basis were 37c. to 38c. per pound.

Cottonroot—The spot market eased in some quarters where demand was reported to have been light in volume for some time past. Quotations ended last week on the lower basis of 26c. to 28c. per pound.

Orange Peel—Some stock renewals came into the market at lower prices, the bitter peel being quoted at 11c. to 14c., and the sweet at 14c. to 16c., both quotations depending on seller and quantity.

Wild Cherry—With the crop well in, the price situation for this consuming year has assumed rather definite outlines. Last week, thin natural bark was readjusted to meet first costs in some directions and resulted in prices at 18c. to 20c. per pound.

Beans

Vanilla—The firmer undertone that developed when demand expanded here and prices rose abroad continued in evidence. However, demand has tapered off considerably and, apparently, consumers are well supplied not only with stocks now in their warehouses but also with goods that can be delivered to them later on. Local quotations were well maintained in all quarters, the lessened demand not reflecting adversely on the price views of sellers.

Berries

Hawthorn—Quotations were shaded to 30c. to 32c. per pound despite the fact that recent reports indicated that the British stocks were less than normal this year. Lack of sustained demand led to the development of a slightly more competitive spot position.

Juniper—Some quality berries were available as low as 8c. per pound for top quality merchandise at least 15c. was wanted in some quarters. European shipments this year are expected to average higher in quality than some of the merchandise shipped early in 1951. It was expected confidently that detentions by the Food and Drug Administration will be fewer in 1952.

Flowers

Chamomile—Some dealers insisted that top quality flowers could not be imported and bring an adequate profit to the importer when sold at 50c. per pound. Upwards of 85c. was being asked by some suppliers of Hungarian or Hungarian-type material. Roman flowers remained unchanged at 75c. to 80c.

Elder—Prices were steady to firm. Though not unusually large this year, a fair collection of domestic flowers was achieved although at a cost likely to hold spot quotations to a very firm basis in most quarters.

Saffron—Mexican flowers were lowered to the basis of 80c. to 90c. per pound under competitive circumstances. Spanish flowers remained steady at $23.50 to $24.

Gums

Locustbean—Prices remained relatively low on spot and subject to substantial

Market Trends

Prices Advanced

Drugs

Cascara bark, 3c. per lb.
Copaiba balsam, 10c. per lb.
Psyllium seed, black, 2c. per lb.

Other Articles

Pepper, red, Carolina longs, 1c. per lb.
Nigerian, 1c. per lb.
black, 6c. per lb.
Poppy seed, Dutch, ¼c. per lb.

Prices Reduced

Drugs

Aletris root, 5c. per lb.
Blood root, 2c. per lb.
Buckthorn bark, whole, 2c. per lb.
cut and sifted, 1c. per lb.
Cornsilk, 1c. per lb.
Cottonroot bark, 2c. per lb.
Hawthorn berries, 2c. per lb.
Juniper berries, 2c. per lb.
Kamala powder, 5c. per lb.
Lady's slipper root, 5c. per lb.
Orange peel, bitter, 1c. per lb.
sweet, 1c. per lb.
Wild cherry bark, thin, natural, 1c. per lb.

Other Articles

Cardamom, green, Alleppey, 10c. per lb.
Ceylon, 10c. per lb.
Celery seed, French, ½c. per lb.
Indian, ½c. per lb.
Cinnamon, Ceylon, 2c. per lb.
Coriander seed, Moroccan, ½c. per lb.
Pepper, white, 10c. per lb.
Poppy seed, Polish, ¼c. per lb.
Saffron flowers, Mexican, 10c. per lb.
Sage, Dalmatian, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
217.2	217.9	217.0	181.9	214.2

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended Sept. 28

New York

Chillies, 2 lots, 385 bags: filthy.
Fennel seed, 83 bags: filthy.
Ginger root, 3 lots, 266 bags: filthy.
Laurel leaves, 101 bales: filthy.
Mineral water, 104 cases: claims; incomplete label.
Origanum, 100 baskets: filthy.
Pepper, black, 2 lots, 647 bags: moldy; insect bored.
Senna leaves, 11 bales: filthy.
Sesame seed, 33 bags: filthy.

For Late Market Developments, See Page 4

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competition when demand developed. Business was done on the basis of 32c. per pound, though some quarters continued to talk about 39c. as a market. However, the rather depressed market position may change if the expected improvement in textile operations shall be realized.

Mastic—Inactive demand tended to weaken prices and it was believed that almost every quotation could be shaded if firm orders in hand should enter the market at this time.

Herbs and Leaves

Belladonna—It appeared likely that current prices on domestic leaves will be low for some time to come if not for all of this consuming year. A good crop is in sight and prices have been already revised downward about as far as production cost will permit. About the only chance for price fluctuations in favor of buyers exists on imported material and at this time, it appears likely that costs abroad will check much further decline in spot quotations.

Catnip—Prices have developed a firmer undertone now that the size of the new crop is fairly well known and probable needs of buyers have been more or less accurately guaged. Values were expected to show little further movement in favor of buyers.

Lobelia—The supply of leaves was extremely light; some sellers have nothing to offer now and have none in sight. Herb proves to be in fair supply at the moment but prices tend to become slightly more steady.

Sage—Development of the usually broad demand incident to the Fall season has yet to appear. However, less tendency to shade local quotations may be a sign of a better interest. Dalmatian sage was a trifle lower at 67c. to 68c. per pound based on the arrival of some replacement stocks.

Thyme—No shortage of top quality French leaves seems likely so far as the largest manufacturing consumer is concerned; arrivals have been substantial of late for his account and were bought cheaper than French material can be bought at today in the primary market. Spanish material was dull and unchanged.

Miscellaneous

Cornsilk—After an exceptionally long period of price stability, this item turned up last week at a lower level. The market appeared to be 12c. to 14c. per pound, depending on seller, quantity, and the individual disposition of sellers to take a more competitive view on the market. Sellers found it a bit nostalgic to recall the days when as high as 70c. was obtainable. At 12c., the market was the lowest in seven years.

Ergot—Quotations ranged $7.50 to $8 per pound, depending on seller and the market appeared to be reasonably stable thereat. Future deliveries might be had over a range of price at $7.25 to $7.70, as to seller. Foreign market prices have risen about 25c. per pound, according to some cables.

Kamala—Under competitive conditions, deliveries of powder out of spot stocks were to be had last week at 75c. to 80c. per pound. Stocks in local circles gained somewhat in size of late.

Papain—The range in sellers prices appeared to be exceptionally wide. For African powder, as low as $6.50 per pound was asked and as high as $9 was quoted. With respect to Ceylon powder, low was $5 and high was $6.

Roots

Aletris—One local dealer readjusted spot prices to conform with what had been paid for new crop goods at the source during the past several months. Quotations ranged $1.40 to $1.65 per pound, depending on dealer, stocks available, and the first cost thereof.

Blood—Although very firm in the country, the market here was apparently less so. At least, quotations turned up slightly lower at 68c. to 70c. per pound last week and the seller at the minimum figure said that he had not had to turn buyers away at 68c. last week; they were too few. The

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bulk of trade was being done direct out of the primary market.

Cohosh—Stability seemed to attach to spot prices; at least, no further revisions were made last week and on black cohosh the quotations were said to be well in line with the cost of 1951 crop.

Goldenseal—Demand was narrow; it was mostly for jobbing lots and even such business was the occasional and not the regular experience of suppliers. Prices seemed to be well stabilized.

Lady's Slipper—In one direction, quotations were down to $1.40 per pound. In other quarters, the market started around $1.50. The crop has been something of a disappointment this year; even high prices to the diggers did not stir them to much activity because of the large amount of time required of the individual to collect a comparatively insignificant quantity of material.

Mandrake—Most suppliers expected the market to turn firmer on goods to supply consumers whose needs are as yet uncovered. It seemed likely that the largest users are fairly well taken care of at this time. Country prices gave evidence of strength despite limited demand.

Senega—Although not a great deal of buyer-interest prevailed last week, the market continued to gain in strength and prices at $2.10 to $2.20 per pound were not apt to be shaded even under competition. All sellers were reserved in the matter of shading quotations when business was in sight.

Valerian—Prices may do better on spot after dealers have actually paid the higher quotations that have been reported from Europe in recent weeks.

Seeds

Cardamom—Green seed was reported as low as $2.60 per pound and upwards of $2.70 was asked in some quarters who had taken a market position for the time being, pending further developments in replacement costs. Other varieties of cardamom showed no change.

Celery — Prices eased fractionally. French seed ended last week at 35½c. to 36c. per pound and Indian material became 28½c. to 29c. However, primary market quotations on both varieties showed no change.

Cumin—Some quarters suggested that spot deliveries might be obtained for slightly less money last week but for the most part, sellers held out for 22c. to 22½c. per pound for Iranian seed while Indian and Moroccan were maintained at 22½c. to 22¾c.

Poppy—Primary market quotations continued to show strength enough to result in local prices being little subject to shading last week. Dutch seed was higher at 16½c. to 16¾c. and Polish seed was shaded to 15c to 15½c.

Psyllium—French seed has cost more abroad of late and during the past week spot quotations turned up higher at 27c. to 30c. per pound. Indian seed remained unchanged. Husks continued to show considerable strength.

Spices

Cassia—Nothing spectacular happened in this group. Broken Saigon was slightly cheaper at 26c. to 28c. per pound and that was the only price change in cassias. China cassias were very steady and cannot be readily replaced. Saigons were considered attractive. Batavias were considered excellent value since they could be had for less money than the Chinese spice.

Cinnamon—Ceylon No. 2 was lowered to the basis of 28c. to 29c. per pound and it was thought that 27c. might be accepted.

Ginger—Sellers said that the absence of rising price developments was mainly the result of an absence of sustained demand. Given an expansion in buying, higher prices would be likely in view of the fact that stocks were rather limited in size.

Paprika—New crop stocks of some varities have appeared on the spot market. Considerable old crop Spanish material was still offered. Prices from Spain showed considerable strength.

Pepper—Spot prices became lower last week, black pepper being quoted around $1.69 to $1.79 depending on quoter. Future shipments ranged $1.64 to $1.68 according to position. January-March shipment was not often quoted. Domestic demand appeared to lag and as new crop draws nearer, some pressure to liquidate old crop stocks here and abroad may develop from time to time. Current, unsold spot stocks were conservative in size, a fact that probably would produce price action should demand grow even moderately. It seemed certain that the seasonal character of pepper business was dislocated when panic buying came with the Korean war and also by the buying that took place just before price ceilings were imposed.

Red peppers were rather quiet last week. Carolina longs seemed higher at 30c. to 31c. per pound; some Louisians longs were at least priced at 28c. to 29c.; and Nigerian capsicums were named at 23c. to 24c. The forward position of imported pepper did not change. Fall and Winter needs will probably be filled out of spot stocks. While pepper was lower at $2.55 to $2.60 for spot and nearby futures were reported available at about $2.50.

Friday quotations on black pepper were as follows:—Spot, $1.73 to $1.74 per pound; October delivery, $1.72; November delivery, $1.71; December delivery, $1.69; January-March shipment, $1.50.

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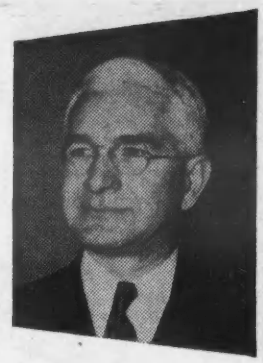

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Essential Oils, Other Aromatics

Business in the essential oils and aromatic chemicals market continued to be active as consumers sought materials for their winter season preparations. Prices of most items seemed to be stabilized now that most of the summer's crops were in and sellers could determine their supply and price picture for the coming months. There were no advances reported during the past week and the only actual reductions were a further decline in the price of the extremely weak Formosan citronella oil and a drop in the quotation for Algerian geranium oil. The price index reflected these changes by a decline of 0.3 point, which placed it at 222.3.

The situation surrounding domestic citrous oils has just about reversed itself. This was particularly true with regard to orange oil. After being almost unobtainable for the entire Summer, it has now become decidedly weak. Supplies of Californian oil were plentiful and prices in many places have been shaded. Floridian oil, while not as abundant, was eased in order to meet the competition of the West Coast variety. Lemon oil has not yet softened to the same extent, but all signs pointed to a more comfortable supply picture in the near future, according to observers.

Latest information concerning Italian bergamot oil has indicated that this would continue to be a problem to dealers and consumers for the remainder of this year, at any rate. Importers have had standing orders with the Consortium, but no material has been forthcoming. It was still too early to determine the expectations for the coming crop, but with carryover almost non-existent, dealers felt that it would not relieve the situation to any large extent.

Of the domestic oils, only spearmint oil was giving trouble to dealers. The yield was apparently small and growers were holding out for high returns. It was expected to remain strong.

Market Trends

Prices Advanced

None

Prices Reduced

Citronella oil, Java-type, 10c. per lb.
Geranium oil, Algerian, $2 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
222.3	222.6	229.0	132.7	199.9

(For Current Prices see Page 9)

Essential Oils

Almond—This market has been without special feature. Supplies were adequate to meet the slow demand and replacements were apparently available when needed. The bitter FPA quality oil was freely offered at $3.15 to $3.85 per pound. Some dealers could offer the NF grade oil, although this was less plentiful than the FPA. It was quoted between $3 and $3.75 a pound.

Anise—While the minimum quotation remained at $1.70 per pound, there has been a decided tendency toward strength in this market. Many of the usual suppliers were beginning to hold their material for slightly higher prices. Interest in the oil has increased with the season, making more evident the limitations of the supply picture. There was virtually no possibility of obtaining replacements at this time and, unless the situation in Asia is cleared up in the near future, complete depletion of stocks may be expected.

Bay—Much firmness was evident in this market. Supplies were not large and prices were steady. Adding to the strength was the fact that the hurricane which struck Jamaica last month was said to have caused some destruction to the growing areas. To what extent this was true was not actually known. Trading activities on the spot market were rather limited.

Bergamot—According to recent reports from Italy, stocks still in the hands of the Consortium were extremely small and an attempt was being made to spread the supply out to cover the remainder of the year. There was no indication that there might be an allocation to this market in the near future. It is now almost six months since any was offered to this country. Importers reported having placed orders with the shippers, but they must simply wait until such time as the Consortium decides to fill them. While prices were far out of hand, they were only a secondary consideration to the problem of supply. It was still too early to predict the effects of the new crop, which will not come due until the beginning of the next year. On the spot market, the small quantities still available ranged as high as $15 per pound.

Bois de Rose—Sales have been somewhat larger in recent weeks. Quotations have held at a steady level, ranging from $4.45 to $4.75 per pound. The price floor in effect in Brazil made it unlikely that future replacements could be sold at that low level. However, most handlers were rather well-stocked at present and were not anxious to raise prices until their costs actually make it necessary. They preferred to keep the interest of consumers. Some were hopeful that the price floor might be lowered by the time new purchases have to be made.

Cedarleaf—Greatly improved as to supply, this oil was freely offered at prices as reasonable as $2.90 a pound. It was said that even lower prices could be found. Replacements were available from primary sources at favorable costs. Consumer interest was only mild at this time.

Celeryseed — Continuing in its stable position, this market was without feature. There were sufficient stocks to meet the small normal demand and dealers had little need to make new purchases abroad. A minimum of $16.50 per pound prevailed, while other quotations ranged to a high of $21 a pound.

Citronella—There seemed to be no bottom to the Formosan oil market as last week brought a further decline of 10c. per pound, thus placing the minimum at 95c. a pound. Other offers of the Java-type oil ranged to $2.25 a pound. There did not appear to be any new developments in the Ceylon oil as prices held at $1.50 to $2.40 per pound and buying interest was mild. It has been said that shippers in Ceylon were trying to move higher, but this has met with resistance from importers. True Java oil has become very scarce on spot and there was little to be had from the origin. Prices for this material were quite high and could not meet the competition of the abundant low-priced varieties.

Dillseed—This has become a dormant market. The ample supplies of the domestic dillweed oil at very reasonable prices has caused both dealers and consumers to lose interest in this imported material. In some quarters, the item has been discontinued. Elsewhere, warehouse stocks were held at prices of $6.35 to $7.75 a pound.

Dillweed—This promised to be an easy market for the coming year. The yield of this year's crop has been very good. This, added to the large carryover stocks from the previous year, has made for a large supply at the reasonable price level of $4 to $4.50 a pound. Active interest in the material was not expected to resume until next Spring, when the next pickle season starts. Until that time, dealers expected this market to remain in a rather quiescent state.

Fir—According to the trade, primary suppliers in Canada have maintained a good deal of independence with regard to the pricing of the material. Production has been reduced by a shortage of labor as customary workers were engaged in more remunerative industries. Thus, the supply available to the market was not as large as might be desired. On spot, quotations were unchanged at $2.85 to $3.40 a pound.

Garlic—Stocks held by suppliers were adequate, with the call for this high-priced material very small, as usual. Supplies generally last for several years and thus, dealers have little cause to keep abreast of the primary market. Quotations on the spot market ranged from $7 to $8 per ounce, but it was reported that some shading was being accomplished.

Geranium—One supplier was able to offer the Algerian oil at a reduction of $2 per pound last week. This brought the minimum quotation down to $22.50 a pound. Elsewhere in the market the item was quoted up to $27 a pound. New material was beginning to appear on the market for the first time in a long while, and the outlook was more favorable. Bourbon oil was unchanged at the recently reduced level of $24.50 to $30 a pound.

Lemon—Good quality Italian oil has become quite expensive at the origin, prices of more than $8 a pound being asked for shipment. Recent rejections of large quantities of poor grade oil have caused ship-

For Late Market Developments, See Page 4

pers in Messina as well as importers to use more caution in their transactions. It was still possible to get some of the low grade oil on spot at prices as low as $3.80 a pound. The recent improvement in the domestic oil situation and the promise of more plentiful supply to come have resulted in a lessening of interest in the imported article. Pricewise, the Californian oil held at $4.85 to $5 a pound, depending upon producer.

Lime—Prices gained additional strength as expressed West Indian oil moved to as high as $15 per pound in some quarters. Elsewhere, price ceilings have kept quotations as low as $7.25 a pound. Distilled oil was steady in price, but exceedingly limited in quantity. Observers believed that this would continue to be a tight market for at least another year, since distillation of this year's crop has already been completed.

Orange—Considerable softness was exhibited by this market, particularly with regard to the Californian material which was quoted between $2.35 and $2.75 a pound, according to brand. It was said that these prices could be shaded a bit, in some places. Stocks were comfortably large. Floridian oil, while less plentiful than the Californian, was much improved and could be had at comparable prices. The heavy demand of the Summer months has now abated, but dealers reported there still to be a brisk business from the flavoring industry.

Pennyroyal—Reflecting the easiness of the Spanish market, this oil was presently in plentiful supply at the rather favorable prices of $4 to $4.75 a pound, at the about two years since prices were at this low level. From all indications, the crop this year was an abundant one and there should be no problem of supply for the coming year. Consumer interest in the oil was not great.

Peppermint—On spot, this oil was relatively unchanged. Market quotations remained at the same level. Carryover stocks from last year were still fairly large and the successful crop reported for this year should make for a more than comfortable supply. Quite the opposite from the situation surrounding the spearmint market, the large volume of this oil has made growers willing to entertain bids from buyers rather than setting their prices beforehand, according to the trade.

Spearmint—Still growing stronger, this oil was priced as high as $7 per pound in some places last week. It was still possible to get the oil at $6.25 elsewhere. However, observers believed that the market would settle in the upper reaches of the price range. Since the yield of this season's crop was a bit disappointing, it was felt that the market might be tight for some time to come, at least until all usual consumers have taken their needs.

Sweet Birch—A quiet situation prevailed in this market. There was an adequate supply on hand to meet the requirements of users and new material could be had from the country when needed. Unlike many other domestic materials, this had remained comparatively unaffected by the inflationary tendencies of the past year. Prices, except for slight fluctuations, have remained at a fairly steady level. Northern oil was quoted from $4.95 to $8 a pound and southern material could be had at $2 to $3.50 a pound.

Wormseed—A few more offers have been found on the spot market at prices which were not far above the minimum of $7.85 per pound. The new crop has begun to have a favorable effect upon the market, although it was still a bit early to know the level at which the market will stabilize when all the new material is in. At any rate, the outlook was brighter than it has been for the past year.

Ylang-Ylang — No information seemed to be available from the origin as to the possibility of obtaining replacements. The spot market was rather dormant, there being only a few dealers who held stocks at the high prices that have prevailed for many months. These high prices have helped to discourage interest in the material, as many of the usual consumers have turned to less-expensive substitutes.

Aromatic Chemicals

Benzophenone—Troubled by the scarcity of some of the necessary basic chemicals, production of this material has been somewhat limited. Nevertheless, the normal needs of consumers have been met, although reserve stocks of producers were small. Quotations were stable, holding at $1.45 to $1.70 per pound.

Dimethyl Anthranilate—This continued to be one of the scarcest materials in the aromatic chemicals market. Production has been hampered by a lack of the necessary basic materials. Producers could offer it in very small quantities only and those to regular users only. It was priced from $5.50 to $5.90 per pound.

Ionones—While there were hopeful expectations in the trade for an improvement in this market, this has not yet manifested itself. Several of the higher-priced grades have come down a bit, but the general picture of the market was not changed. Lemongrass oil was presently in very good supply, with more oil in the offing. Thus, stocks of the derivatives should build up to a comfortable state in the near future.

Linalyl Acetate — With the necessary bois de rose oil presently available in good quantities at a steady price, these aromatic derivatives were in plentiful supply at prices which remained favorable to consumers. Producers had no trouble meeting the requirements of users at prices of $6.15 to $6.45 a pound for the 90-92 percent grade and $6.60 to $7.35 for the 96-98 percent material.

Nerolin—This market was without special feature. Basic chemicals were still not too easily obtainable, but production has been maintained at a steady level. The demand has been normal and could be met at prices which held at $2.25 to $2.65 a pound, depending upon size of purchase.

Phenylacetic Acid — Production has been maintained at a rather steady pace and supplies were fairly good, though not overly abundant. The perfumer's grade was priced at the unchanged range of $1.45 to $1.75 a pound, while the technical grade could be had at 90c. a pound in 1,000-pound quantities.

Phenylethyl Alcohol—Manufacturers of this important aromatic chemical continued to run into difficulties as they sought sufficient basic materials to keep up production. The demand was still greater than was the supply. Quotations for the alcohol were steady at $1.65 to $2.15 per pound, depending upon quantity and producer.

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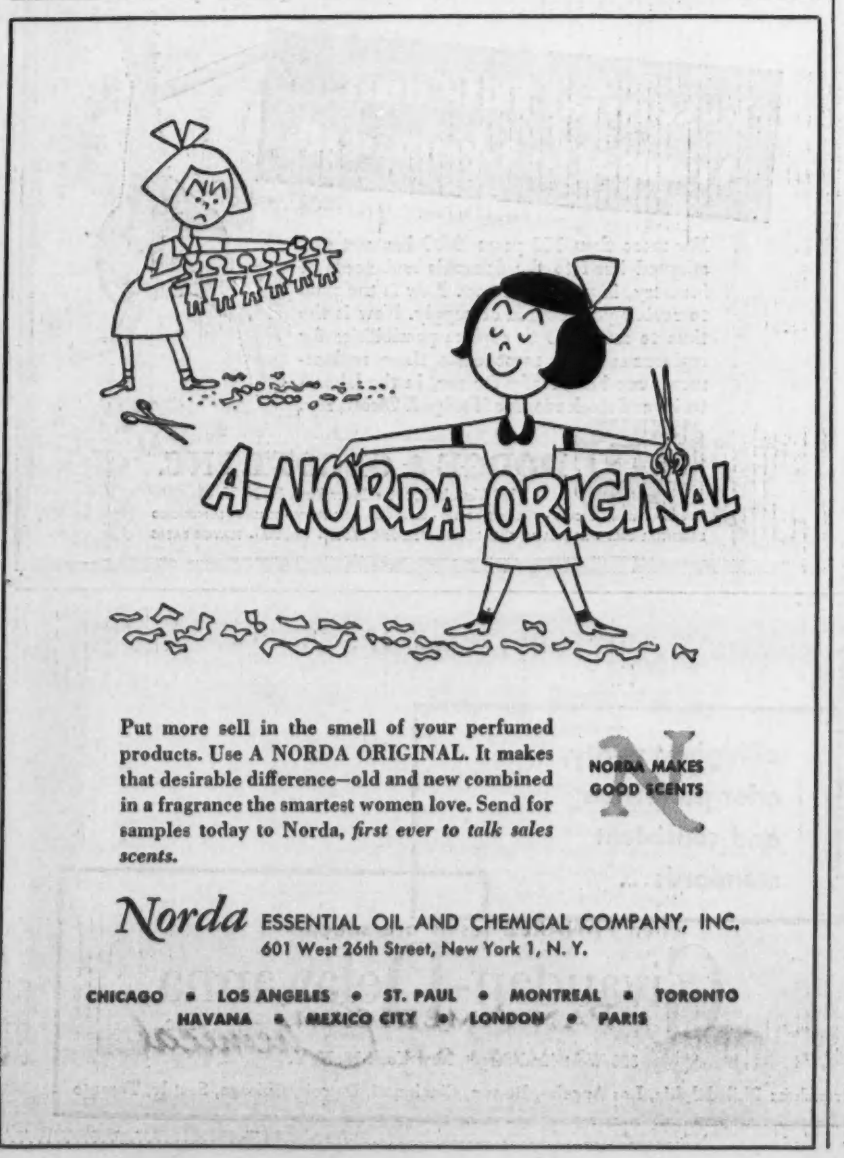
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Fritzsche 25 Year Club Honors 4 New Members

In recognition of their total of one hundred years of service to their firm, four employees of Fritzsch Brothers, Inc., New York, were feted and dined the evening of October 2nd at the New York Athletic Club. Those honored were Charles W. Schmied, maintenance department; Nils H. Johnson, compounding laboratory; Edward P. McDonough, order department; and Mrs. Theresa M. Spoerer, secretary. Participating in the celebration were the company's executive officers, headed by F. H. Leonhardt, president, and all but the out-of-town active members of the Fritzsche Quarter of a Century Club.

TGA Lists New Members

The Toilet Goods Association has announced that the following concerns have been admitted to active membership in the association:—Parfums Marcel Rochas, New York; Henry Rosenfeld Cosmetics Company, New York; Nettie Rosenstein Perfumes, New York, and Studio Girl-Hollywood, Inc., Glendale, Calif. Accepted for associate membership are:—American Alcolac Corporation, Baltimore, Md.; Emery Industries, Inc., Cincinnati, Ohio; Lord Baltimore Press, New York; O. D. Neal Company, New York; Plax Corporation, Hartford, Conn., and Robertson Paper Box Company, New York.

Fitelson Opens Labs

J. Fitelson, formerly chief food chemist of the New York district of the Food and Drug Administration, has opened his own business, Fitelson Laboratories, Inc., at 254 West 31st street, New York. The telephone number is ORegon 5-8549. The concern will specialize in consultation work, labeling, analysis and sanitary control for the food industries.

Warner-Hudnut Elects

Warner-Hudnut, Inc., has elected Robert B. Clark secretary. Mr. Clark joined the cosmetics and drug firm as patent counsel in 1947, and since March, 1949, has handled liaison work with federal agencies, contract negotiations and other special projects for the company.

Awarded '52 Nichols Medal

Dr. Frank H. Spedding, director of the Institute for Atomic Research at Iowa State College, Ames, Iowa, has been awarded the 1952 William H. Nichols Medal of the American Chemical Society's New York section. Cited for his "outstanding contributions in the constitution, properties and chemistry of the rare earth and actinide elements," Dr. Spedding will receive award on March 14 at a dinner in his honor at the Statler hotel, New York.

Pharmaceutical Fellowships to 3

Three new graduate fellowships have been awarded at the University of Wisconsin by the American Foundation for Pharmaceutical Education. The graduate students who received the fellowships are:—Aaron Cooper, majoring in pharmaceutical chemistry; Robert Mason, majoring in pharmaceutical chemistry, and Francis Hughes, majoring in pharmacology.

Parke, Davis Names Wernet

Parke, Davis & Co., Detroit, Mich., has appointed C. Richard Wernet assistant manager of the retail sales department. Mr. Wernet, who joined the company in 1945, has most recently been a field manager for the Detroit branch.

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Protective Coatings Materials

Triphenyl phosphate advanced 2c. a pound last week, with government pricing authority approval. The higher listing was said to have resulted from an accumulation of increased production costs. Red, vermilion, quicksilver, advanced 6c. per pound last week.

Although there were advances in lead and zinc metals, their pigments held unchanged as to price. Washington allowed the increase in the price of the metal but made no mention of the pigments and at the end of the week producers were still waiting for word on any action they might be permitted to take on the pigments.

Cobalt also advanced in price but its oxide and organic salts held to former listings. The government order permitting the advance made mention of only the metal and the industry was anticipating further information on the cobalt products.

Polystyrene held to its listings on the low side of the range, but there were new prices on the high side as the material moved upwards in some quarters. China clay held on price and the supply continued good although demand was said to be a little spotty. A healthier tone was observed in synthetic resins. Purchasing was still not equal to the peaks of several months ago, but there seemed to be a reversal of the recent easings and the outlook was said to be good. Natural resins showed no particular change from the previous period. Shellac was holding to the previous levels of supply and demand as well as price. The casein market was uneventful.

Fifty-two wholesalers of paints and varnishes reporting to the Bureau of Census aggregate sales of $6,902,000 in August showed a gain of 4 per cent from the previous month. The eight months through August of this year showed an increase of 27 percent above the corresponding period of last year.

Prime Pigments

Cobalt Oxide—Prices held unchanged on this material last week despite the fact that the metal advanced 30c. a pound. The industry was waiting to hear from Washington on what it would be permitted to do with the price in light of the advance in the metal.

Production and shipments of cobalt products in the United States and stocks at plants of refiners or processors in 1951, by months, are listed below. This information was furnished by the Bureau of Mines.

Cobalt Oxide

(Gross weight in pounds)

	Production	Shipments	Stocks end of period
January	40,444	41,169	31,705
February	37,322	55,888	13,139
March	71,402	68,091	16,450
April	63,790	64,820	15,420
May	65,781	48,001	33,200
June	79,635	40,905	71,930
July	65,750	90,225	47,455
Totals	424,124	409,099	.....

Lead Pigments—The 2c. increase that was reported in the price of lead metal last week had no immediate effect on the price of the pigments since the Washington order authorizing an advance in the metal did not mention the lead products. The producers of pigments, of course, viewed the order with considerable interest and at the end of the week were waiting for word from the pricing authorities regarding what they might be permitted to do with the price listings of their materials. Just how much time it would take for Washington to inform the pigments industry of its position in the light of the recent developments was something that cou'd not be readily determined.

Red, Vermillion, Quicksilver—An advance of 6c. a pound was announced for this item last week. The action brought the price up to $3.90.

Zinc Pigments—Although there was an advance in the price of zinc metal last week, the prices of the zinc pigments held to their former levels, pending information from the pricing authorities in Washington as to just what the producers of the pigments will be permitted to do regarding price. The Washington order specifically allowed the advance in the price of the metal but it made no mention of zinc products and, at the end of the week, the industry had no clear idea as to just how long it would take before there would be additional information announced regarding the pigments.

Total production of zinc oxide in July declined 5 percent to 16,618 short tons and was at the lowest monthly rate since January, 1950, according to the Bureau of Mines. Stocks of zinc oxide at producers' plants were 16,796 tons, an increase of 10 percent over inventories on hand at the end of June, and the highest month-end stock level since August, 1949, when the total was 18,556 tons.

Output of leaded zinc oxide declined 9 percent to 3,984 tons. Lead-free zinc oxide production was 12,634 tons compared with 13,202 tons in June.

A general decline in total shipments of zinc oxide in effect since January, 1951, continued as sales during July dropped 5 percent. Although shipments of leaded zinc oxide increased 12 percent, the total tonnage gain was insufficient to balance a 9 percent loss in sales of lead-free zinc oxide.

Fillers and Extenders

Clay, China—The price structure, it was said, would probably hold at the present levels. The supply was reported to be in a very good position for all grades. The demand, on the whole, was running at fair levels and was a little spotty. After the heavy buying that they had experienced last week it was said that the pottery and dinnerware industries were observing something of a slump at this time, and that was having its effect on the raw materials situation. The gift and novelty industries, however, have expectations of a good demand for Christmas, it was stated.

Synthetic Resins

A healthier tone continued in the demand last week, it was reported, and although this did not put the market up to the peaks that were established some months ago, it gave indications of a stronger market and, as one producer recently put it, October had all the earmarks of being a better business month than September. The easings in demand that had been observed a few months ago probably came at the time, it was said, when consumers were utilizing much of their inventories. These inventories were now at a considerably lower point, it was pointed out, and the consumers were back in the market for more material. The end of the vacation shutdowns in the various consuming plants and the coming of cooler weather were also thought to have their effect on the tone of business.

The demand for maleics was reported to be higher than it had been. It was characterized as about fair, and one of the reasons for this was the fact that the furniture industry had not been especially active lately. Supply was at high enough levels to accommodate the market without any pinch. The demand for the phenolics continued at the good levels that had been observed for some time. It was said that certain types of pure phenolics were in very short supply and modified was about fair. The demand for alkyds was at good levels, with purchases by the government helping to hold up the level of sales. The supply, however, was not in what could be called a particularly good position.

Some phenolics and alkyds were higher in price, it was reported, because of increases in the cost of raw materials.

Polystyrene—The low side of the price range was still unchanged last week, although there were new listings on the high side of the range. This was the result of one producer holding to its previously established prices while in other sections of the industry the price had been advanced.

Natural Resins

The market for gums held pretty much to its previously established levels of supply, demand and price last week. There were no concrete indications that there would be any changes at this time, al-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Red, vermilion, quicksilver, 6c. per lb.
Rosin, gum, New York, B, D, E, F, G, H, I, K, M, N, 5c. per 100 lbs.
WG, WW, X, 15c. per 100 lbs.
Savannah, F, 50c. per 100 lbs.
G, H, I, K, M, N, WG, WW, X, 20c. per 100 lbs.
Triphenylphosphate, 2c. per lb.
Turpentine, gum, New York, tankcar, ½c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
212.8	212.8	212.8	173.7	206.6

(*For Current Prices see Page 9*)

STEARATES

CALCIUM — MAGNESIUM

ZINC — ALUMINUM

for the

PROTECTIVE COATINGS INDUSTRY

SYNTHETIC PRODUCTS CO.

Since 1917

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HYDROCARBON RESINS

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ECONOMICAL

Everyone has problems. We sympathize with yours, and suggest that if you need quality resins, it is important for you to investigate economical PANAREZ resins *today*. Those production problems don't seem quite so big—when PANAREZ resins are specified.

PAN AMERICAN CHEMICALS

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Pan American Refining Corp.
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Plant Texas City, Texas

though, as had been pointed out previously, the inventories in the hands of consumers at this time were probably at a fairly low point and would most likely have to be replenished before long. Sales had not been at high levels recently and consumers, it was thought, had been using their inventories. The coming of cooler weather and the end of the period of summer vacation shutdowns were also factors that some circles thought would have a tendency to increase purchasing. The supply in the hands of importers here was at sufficiently high levels to accommodate the market at the present, but the thought had been expressed that if there should be a sharp upturn to purchasing there might be a pinch in some of the grades. Not a great amount of material had been imported for several months. The availability of material at the source was reported to be in good position, although it had been somewhat erratic. The price trends there were still a fairly hard thing for importers to understand. The market was firm and the gums producers were competing with the tin and rubber industries for labor.

Shellac — There was no sign of any strengthening to the demand for this material during the past week. The end of the vacation shutdowns and the coming of the cooler weather, however, presaged the time when the demand ordinarily increases and therefore it would not be surprising to see an increase in the days ahead, it was said. The supply continued at strong enough levels to accommodate the present rate of demand, although it was said that if the consumer inquiry should pick up sharply there might be some pinch in some of the grades, since importers had not been bringing very much material into the country lately. The India market continued at the steady levels that had characterized it for some time past. Considerable amounts of product were being sold to other countries and that was contributing to the strength at the source.

Lacquer Materials

Triphenyl Phosphate — An increase of 2c. per pound for this material was announced last week. This brought the listings up to 37c. in carloads and 38c. in less than carloads. The increase was made with government pricing authority approval and was said to have resulted from an accumulation of increased production costs.

Miscellaneous Materials

Casein—The price picture for domestic and Argentine casein was unchanged during the period under review. The demand continued slow for both although it was heard in some quarters that there might soon be a revival of purchasing. Most con-

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NITRO.....WEST VIRGINIA

sumers have been drawing on their inventories for some time, and it was thought that these inventories must be at a fairly low level at this time. Domestic casein is moving into the slow production period and Argentine material is approaching the season of increased production. However, because of weather conditions in the Argentine, it is expected that the flush in that country will be late this year. Argentine material is still governed by a floor price and has been competing on the market here with casein from Europe that is being offered at lower prices.

Cobalt Organic Salts—Linoleate, naphthenate and resinate held to their previous price listings during the period under review. Cobalt metal increased 30c. a pound but the industry had no word at the end of the week as to what it might be permitted to do with the prices of the salts.

The following information on production, shipments and stocks is furnished by the Bureau of Mines:—

Cobalt Driers

(Gross weight in pounds)

	Production	Shipments	Stocks end of period
January	1,063,743	1,125,197	766,516
February	719,995	875,075	611,436
March	825,744	711,179	726,001
April	653,938	676,660	703,279
May	704,416	686,915	720,780
June	789,059	720,674	789,165
July	778,507	726,141	841,531
Totals	5,535,402	5,521,841	.....

Synthetic Adhesives—The total consumption of these materials in the softwood plywood industry during the month of July of this year amounted to 6,648,000 pounds, according to the Bureau of the Census. This figure was lower than the 8,985,000 pounds consumption of the previous month and also a little higher than the 6,558,000 pounds consumption of July of last year. Consumption of casein glue in July of this year came to 322,000 pounds, something less than the 372,000 pounds of the previous month, although higher than the 218,000 pounds of the comparable month last year. The July consumption of soybean glue amounted to 3,732,000 pounds. This was considerably less than the previous month's total of 5,440,000 pounds and a little higher than the 3,296,000 pounds of the comparable period a year ago. Urea resins glue consumption in July of this year was reported at 252,000 pounds. The figure for the previous month was 194,000 pounds. The figure for July a year ago was not available separately but was included under "other" glues. Phenolic resins glue showed a consumption of 1,997,000 pounds during July of this year, as compared to 2,593,000 pounds during the previous month. The figure for July of 1950 was 2,501,000 pounds. "Other" glues were consumed in the amount of 345,000 pounds during the month of July of this year. This was slightly less than the 386,000 pounds consumption of the previous month and considerably less than the 543,000 pounds figure for July of 1950, in which the urea resins glue figure was included.

Naval Stores

The record of the gum naval stores markets during the week ended October 5 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., f.o.b., ex N. Y. whse. Friday	l.c.l.
B	$7.00	$7.00	$7.00	$7.00	$7.00	$9.90	$10.65
D	7.00	7.00	7.80	7.00	7.00	9.90	10.65
E	7.50	7.50	7.50	7.50	7.50	9.90	10.65
F	8.41	8.41	9.00	9.00	9.00	9.90	10.65
G	8.80	8.80	9.00	9.00	9.00	9.90	10.65
H	8.80	8.80	9.00	9.00	9.00	9.90	10.65
I	8.80	8.80	9.00	9.00	9.00	9.90	10.65
K	8.80	8.80	9.00	9.00	9.00	9.90	10.65
M	8.80	8.80	9.00	9.00	9.00	9.90	10.65
N	8.80	8.80	9.00	9.00	9.00	9.90	10.65
WG	8.80	8.80	9.00	9.00	9.00	10.35	11.10
WW	8.80	8.80	9.00	9.00	9.00	10.40	11.15
X	8.80	8.80	9.00	9.00	9.00	10.40	11.15

Drums

Sales	...	...	85	...	...
Receipts	32	328	58	267	58
Shipments	...	1	3,007	...	...
Stocks	20,795	21,122	18,173	18,440	18,498

Gum Turpentine

New York, Fri., tankcars, f.o.b. ... gal. (7 lbs.) .88½
ret. dms., l.c.l., ex whse. ... gal. (7 lbs.) 1.00

	Savannah Exchange, Bulk Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.80	.80	.80	.80	.80
Sales, dms	...	...	...	...	...
Receipts, dms	195	312	193	412	401
Shipments, dms	231	145	900	511	...
Stocks, dms	11,349	11,516	10,809	10,170	11,191

Monsanto Appoints Dunning

The appointment of Albert W. Dunning as vice-president of Monsanto-Kasei Kogyo, K. K., of Tokyo, Japan, has been announced by Marshall E. Young, director of Monsanto Chemical Company's foreign department.

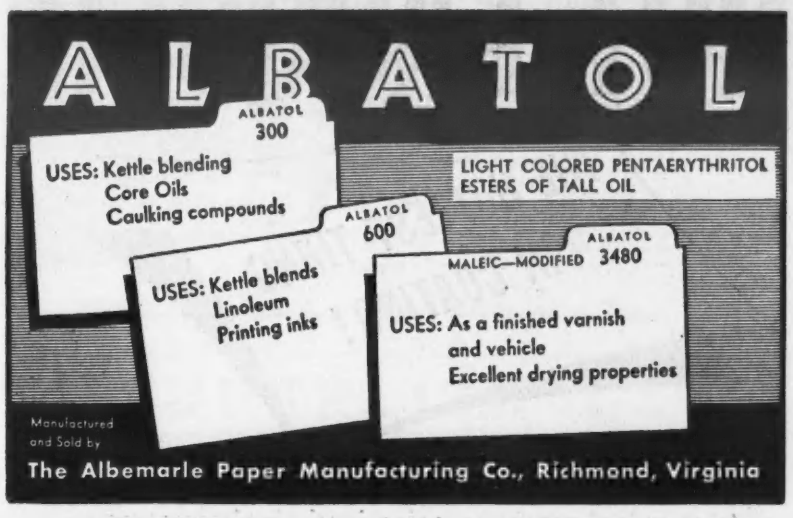
Nopco Appoints Rossiter New England Sales Mgr.

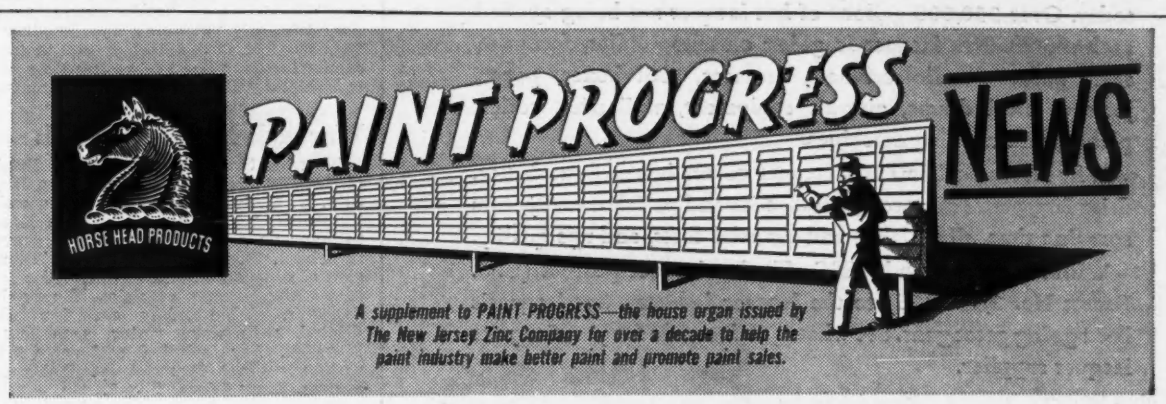
Nopco Chemical Company, Harrison, N. J., has appointed Laurence E. Rossiter New England sales manager to succeed Harold J. Waldron, who has retired. The company has also named Thomas Fahey a member of its southern New England sales force for the industrial division.

Mr. Rossiter joined Nopco in 1940 as a member of the products control laboratory staff. Later he was promoted to chief chemist of the textile service laboratory. In 1946 he joined the field force and continued as technical sales representative in southern New England until his recent promotion. Mr. Fahey has been associated with Nopco for the last five years, working in the company's control laboratory, its sales product laboratory and its pilot plant operations.

Borden Elects Orton

Douglas T. Orton, assistant secretary of the Borden Company, New York, since 1943, has been elected secretary of the company. Mr. Orton succeeds Theodore D. Waibel, who died September 16.




HORSE HEAD PRODUCTS
PAINT PROGRESS NEWS
A supplement to PAINT PROGRESS—the house organ issued by The New Jersey Zinc Company for over a decade to help the paint industry make better paint and promote paint sales.

NEW TV FILM HELPS SELL PAINT

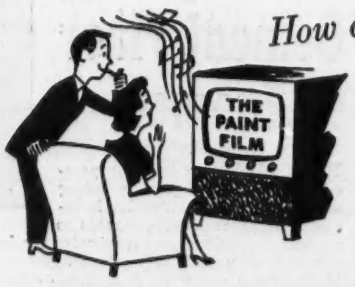
Now ... the Paint Industry has a sales tool that can dramatically show millions of homeowners, in 30 minutes, the answer to the vital questions many are asking:

What are they made of?

Are today's paints really better?

Why do paints chalk?

How can we protect paint against moisture damage?



THAT educational sales aid is a fascinating motion picture especially prepared now for television—THE PAINT FILM. Scores of paint manufacturers have presented thousands of showings of the "technicolor" version of that picture since it was first released by The New Jersey Zinc Company. What's more, they have bought more than 50 prints to spark their sales training and promotion programs. If you have not used THE PAINT FILM in your campaigns, we'll be glad to loan you a print.

If you want to reach the *television* audience in your area, let us send you the special TV version of THE PAINT FILM.

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Thousands of manufacturers are using the hot-lacquer process today. Over 250,000 gallons of hot lacquer are being applied each month. Hot lacquer is going on automobiles, furniture, store fixtures, radio cabinets, furnaces, tool boxes, paper, jewelry, steel drums, aircraft equipment, wall tiles, scales, pianos, and washing machines.

Why all the acclaim? Hot lacquer covers better, flows better, dries fast, won't sag, won't blush, rubs and polishes easily, cuts spraying time, slices labor and material costs, and ups quality.

With the dedication by CSC of its hot-lacquer process (U. S. Patent No. 2,150,096) to the lacquer industry, hot lacquer's been going great guns. See what a job it can do for you. See your lacquer supplier.

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COMMERCIAL SOLVENTS CORPORATION
17 EAST 42nd STREET, NEW YORK 17, N. Y.

N. Y. Paint Technicians To Hold Meeting Thurs.

The New York Paint and Varnish Production Club will meet October 11 in the Building Trades Employers Association rooms, 2 Park avenue, New York. Dinner will be served at 6:30 p.m.

The program for the evening will consist of the fifth yearly report of activities of the technical committee. Each subcommittee will present a summary of its accomplishments during the year, and subcommittees 40 and 61 will present previews of the two papers to be given at the national convention in Atlantic City, N. J., next month. Following are the subcommittees that will give resumes of their work:—

Subcommittee 37, "Investigation of Methods for Measuring Drying Time," Stanley H. Richardson, chairman; subcommittee 40, "Methods of Measuring the Dry Hiding Power of Paints," Edward J. Dunn, jr., chairman; subcommittee 44, "Emulsion Paints," James A. Massaro, chairman; subcommittee 53, "Study of Pigment Dispersions," Raymond L. Whitney, chairman; subcommittee 54, "A Study of the Dielectric Strength of Paint, Varnish and Lacquer Films," Marcus Thau, chairman; subcommittee 58, "Standards and Methods of Test," Frederick M. Damitz, chairman; subcommittee 61, "Flooding and Floating of Pigments," E. G. Shur, chairman, and subcommittee 65, "The Dispersing Properties of Vehicles," Oscar P. Muller, chairman.

Warwick Has New Finish

Warwick Chemical Company, a division of Sun Chemical Corporation, Long Island City, N. Y., has developed a new sewability finish, "Warcolene D," which is said to improve seam efficiency and prevent scorching. Described as a non-ionic emulsion of compounded lubricant in the form of a white, creamy emulsion, the product forms a stable milky emulsion when diluted, with warm water, according to Warwick. For technical and sales information contact Warwick at 10-10 44th avenue, Long Island City 1.

Wagner Names McCullion

Charles A. Wagner Company, Philadelphia, has appointed John J. McCullion sales representative to handle the firm's line of fillers, pigments and driers in the Philadelphia and Baltimore, Md., territories. He succeeds Ward Stackhouse, who has been assigned to special sales work in western Pennsylvania.

General Electric Develops New 'Glyptal' Alkyd Resin

General Electric Company's chemical division, Pittsfield, Mass., has developed a new "Glyptal" alkyd resin which is said to dry dust-free in five to ten minutes and tack-free in three to four hours. Designated as G-E "Glyptal 7422," the new resin is described as a short, pure, oil-modified alkyd, free of rosin, phenolic, styrene, or other modifiers. It is claimed to possess drying speed formerly unattainable in straight oil-modified alkyds. In addition, it is said to have excellent color retention, adhesion, toughness, mar resistance, and salt spray resistance.

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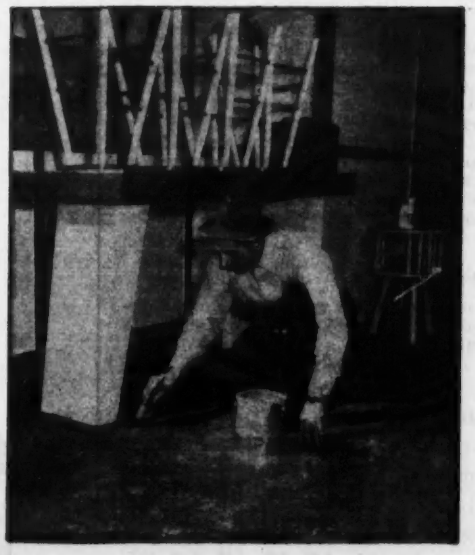

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DUREZ FORMULATION V-51717 was developed to aid the manufacturer in producing a good marketable product. This formulation is based on Durez 220 Resin in tung oil in combination with Parlon, and it assures the fast dry and durability required in this type of coating. With proper pigmentation, superior performance will result.

For a durable traffic paint we suggest Durez formulation V-51718.

INTERIOR ENAMELS such as wall and trim finishes can also be made with formula V-51717. Produced with Durez 220 Resin, they have a fast dry and a soap resistance that make them highly satisfactory for these applications.

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DUREZ "of course"
because they're RESINS THAT FIT THE JOB

N.Y. Paint Club Appoints Shipman Executive Secretary

The New York Paint, Varnish and Lacquer Association has realigned its administrative staff by replacing the office of assistant to the president with an executive secretary. Mitchell M. Shipman, until recently on the legal staff of the National Paint, Varnish and Lacquer Association, has been appointed to the new post.

Mitchell M. Shipman

A graduate of Harvard College and Harvard Law School, Mr. Shipman was assistant counsel in charge of the chemical, drug and paint division of the old NRA. He has specialized in trade association, industry and trade regulation and labor relations matters. During World War II, he handled numerous government assignments as hearing officer and public member of panels for the national and New York regional war labor boards and was commissioner of conciliation for the Department of Labor.

Mr. Shipman will make his headquarters at the association's office in Brooklyn, N. Y., where he will be assisted by Helene M. Senker, assistant secretary.

Gen'l Electric Silicone Posts To Kneitel and Brandenburg

Arnold Kneitel of the General Electric Company's chemical division will transfer to GE's silicone plant at Waterford, N. Y., as a member of the headquarters' sales organization, it has been announced by the company. Formerly silicone sales representative in the New York area, Mr. Kneitel started with General Electric in 1947 on the chemical and metallurgical training program. Upon completion of this course, he asssumed responsibilities as silicone sales representative.

William Brandenburg has been assigned to take over silicone sales duties in the New York area. He joined General Electric's chemical division for silicone indoctrination at the Waterford plant in April of this year. He formerly worked with the Bakelite Corporation as research and development chemist and the Barrett Division of Allied Chemical & Dye Corporation as a sales representative.

Amer. Polymer Reduces Styrene-Butadiene Latices

American Polymer Corporation, Peabody, Mass., has announced price reductions on styrene-butadiene latices. The company attributed the action to increased demand which has brought about larger production runs and, in turn, reduced processing costs. The products, which find particular use in compounding synthetic latices, are described in data sheet P24.

New England Paint Club To Install Officers Thurs.

The New England Paint, Varnish and Lacquer Association will meet October 11 at the Statler hotel, Boston, Mass. Refreshments will be served at 5:30 p.m., with dinner following an hour later. On the agenda will be reports of officers and committee chairman and the installation of new officers for the 1951-52 term.

Dow Shifts Silvernail

Lloyd Silvernail has been added to the staff of the paint section, it has been announced by N. R. Peterson, manager of coatings technical service, Dow Chemical Company, Midland, Mich. Mr. Silvernail has been in the cellulose products department since joining Dow six years ago. He was formerly associated with Hercules Powder Company, Wilmington, Del.

Cleveland Paint Club Slates Meeting Thurs.

Cleveland Paint, Varnish and Lacquer Association will meet October 11 at the Statler hotel, Cleveland, Ohio. Keen Johnson, vice-president and director of Reynolds Metals Company, will speak at a pre-dinner session at 5:15 p.m. Cocktails will be served at 6 p.m., with dinner following one hour later. Frank Scherchel, chief photographer of *Life Magazine*, will talk after dinner. His topic is "How a copy of *Life* is Put Together."

Trade Briefs

McLaurin-Jones Company has acquired a ten-acre site in Homer, La., on which construction will start immediately on a plant to make a line of polyethylene-coated products.

Wilbur & Williams Company, 130 Lincoln street, Brighton 35, Mass., has published a four-page technical folder containing a reference index to quickly determine the most suitable coatings for rust prevention, chemical corrosion and dampness.

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STEARATES
STANDARDIZED AND CUSTOM-MADE
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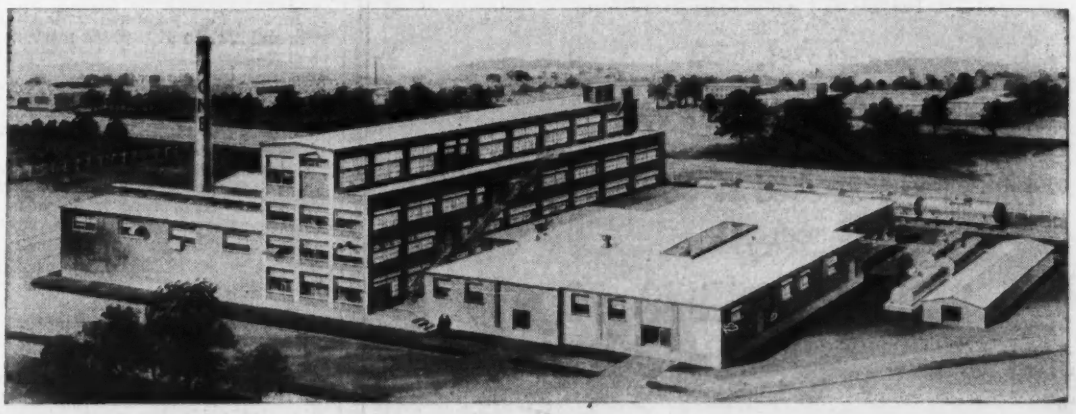

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Crude Petroleum Ceiling Prices at Fields Equalized

The Office of Price Stabilization has taken action to permit adjustment of out of line ceiling prices on crude petroleum of comparable grades in fields or pools within the same producing area. In a supplementary regulation to CPR 32, effective October 9, the agency has established a procedure for a purchaser or seller of crude petroleum, in oil fields or pools where some prices were frozen at subnormal ceilings, to apply for adjustment of his ceiling price.

The action was necessary, OPS said, because at the time of the general price freeze there were many fields or pools where prices were frozen at levels below the in-line ceiling price for the same general producing area.

Glidden Co. Opens New Branch in Indianapolis

The Glidden Company, Cleveland, Ohio, has opened a new metropolitan branch at 906 North Delaware street in Indianapolis, Ind. The branch will not only handle a complete line of Glidden paint and varnish, but wallpaper and sundries as well. The branch manager is William G. Wickham, former manager of Glidden's Omaha, Neb., branch. The sales staff consists of John W. Dodds, jr., and Ralph E. Helmericks.

Ormsby Named Ullman Co. Western General Manager

Bern A. Ormsby has been named western general manager of the Sigmund Ullman Company, division of Sun Chemical Company, Long Island City, N. Y., to succeed the late Glenn O. Sensiba. Since joining Ullman in 1933, Mr. Ormsby has participated in the company's printing ink manufacturing, application, sales and service operations.

Naftone Issues Naphthenate Booklet

Naftone, Inc., has prepared a new booklet entitled, "Oronite Copper and Zinc Naphthenates as Preservatives." The booklet discusses in some detail the use of these two naphthenates to protect cellulosic materials against mildew, rot and fungus damage. Requests for free copies of the booklet should be addressed to Naftone, Inc., 515 Madison avenue, New York 22.

Pesticides Supply Outlook

—Continued from page 4

mestic and foreign agricultural uses. Exports are particularly important for the protection of the banana crop in Central America, a program which has been supported in full in past year. Copper sulphate is related to copper operations, he pointed out, and the present high output will undoubtedly be maintained.

Grain Fumigant Production

Mr. Klipstein continued:—

"The estimated requirement of 3,000,000 gallons of eighty-twenty carbon tetrachloride and carbon disulphide mixture for use as a grain fumigant will be met despite the shortage of sulphur. The supply of the important herbicides 2,4-D and 2,4,5-T will be augmented, as a result of an increased supply of raw materials. Production of the dithiocarbamate fungicides will be increased by 10,000,000 pounds. New organic phosphorus compounds are being introduced for control of mites and spiders, which are superior to the currently used products.

"Last year 218,000 long tons of sulphur were used for dusting and 225,000 long tons this year. We hope to make nearly this same total quantity available next year. Any reduction will be set aside for conversion into the additional 10,000,000 pounds of dithiocarbamates previously referred to and an increased supply of carbon disulphide for grain fumigants and other agricultural uses. The dithiocarbamates have been found to be six times as effective as elemental sulphur.

Allethrin Output Increase

"Three new plants for the production of allethrin, sponsored jointly by the Department of Agriculture, the Munitions Board and our division, are being built. This new synthetic insecticide will make the country, to a large extent, independent of pyrethrum which is so important to dairies and many food processing plants.

"Substantial expansions in basic raw materials have been started, including chlorine, benzol, carbon tetrachloride and phosphorus. Sulphuric acid, although short, is expected to be available in sufficient quantity to support the production of copper sulphate and DDT.

"This outlines the situation with respect to pesticides. Normal historical distribution patterns will be followed and each area should get as much as needed for the full protection of the crops grown there. We have been able to adjust those few cases where new or unexpected demands have arisen. We can conclude that an adequate supply of pesticides will be available to meet the overall requirements for the crop year ahead."

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Oils, Fats and Waxes

Consuming demand for oils and fats continued restricted to prompt requirements last week. Market was irregular for crude edible oils. Crude cottonseed, peanut and soybean oils were off fractionally. Corn oil was slightly higher. Coconut oil was quiet but steady with firmer copra market. The biggest break occurred in carnauba wax and price declines ranged from 4 cents to 7 cents per pound, depending upon grade. Palm oil was easier and spot stocks dropped 1 cent per pound. Price index declined 0.8 point.

Higher cost of flaxseed, which advanced sharply, was reflected in linseed oil and early declines were regained, the market closing steady at levels prevailing the week previous. Other drying oils also were firmer. Castor oil was boosted 2 cents per pound, due to tighter supply condition of castor beans and increased cost for shipment from primary centers. Tung oil was advanced fractionally under improved consuming inquiry and limited offerings. Oiticica oil also was boosted 1½ cents per pound, reflecting stronger Brazilian market.

Tallow and greases remained steady, especially the higher grades, while lower grades were unsettled. Trading was light and spotty for domestic and export delivery.

Liberal offerings of carnauba wax on spot, combined with limited buying interest, resulted in decline of 4 cents to 7 cents per pound, No. 3, crude dropped 7 cents and No. 1 yellow, 6 cents per pound. A fair volume of business was reported at the lower levels, despite offers for shipment from Brazil at several cents above the local market.

Cottonseed Oil

Trading in bleachable cottonseed oil continued active last week. Price fluctuations were narrow, the market backing and filling throughout the period, though it absorbed liberal hedging in deferred positions against refiners' purchases of crude oil. Speculative trading was quite liberal and open interest has increased. Consuming demand for cash oil continued light and spotty, with prices fluctuating within a narrow range. Lard remained firm.

Crude oil was off fractionally, with moderate trading reports at 14½c. and 14⅜c per pound, tankcars, mills Southeast and Valley and 14¼c., Texas.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended October 5 follow:—

	Sales	Cents per pound High	Low	Close
October	90	17.10	16.85	16.85@16.90
December	324	17.19	16.97	16.97@16.98
January	2	17.25	17.16	17.00@17.15
March	107	17.28	17.05	17.08S
May	548	17.28	17.05	17.12S
July	72	17.27	17.09	17.10@17.13
September	7	16.97	16.75	16.65@16.85
1952				
October	11	16.73	16.75	16.50@16.65

Total sales, 1,224 tankcars, including switches.

Memphis.—Crude cottonseed oil sold at 14½c. per pound, tankcars, f.o.b., mills. Crude soybean oil offered at 14c., with little trading. Cottonseed meal, hydraulic 41 percent held at $74 per ton sacked and solvent $73 f.o.b. Memphis. In the Valley cottonseed cake was quoted at $66 per ton, October and $64.50, November. Cottonseed hulls, $17 per ton, bulk, Memphis. Cotton harvest progressing rapidly.

Linseed Oil

Market for linseed oil was irregular last week as a result of sharp price fluctuations, which reached seasonal highs. Oil prices were dropped 1c. per pound, but later rallied with the advance of seed, regaining early reduction. Raw oil was quoted at 18.7c. per pound, tankcars, zone 3, for delivery during the balance of the year. Consuming inquiry continued quiet for prompt and forward requirements and demand was restricted to withdrawals of oil against former contracts.

CCC announced October 1, the withdrawal of its stocks of flaxseed for domestic use during October, but renewed the offer of 216,000,000 pounds of linseed oil at market price on date of sale only for domestic consumption.

Department of Agriculture reported that farmers placed 11,689,000 bushels of 1951 flaxseed under CCC price support through August, 1951, of which 3,534,000 bushels were stored at farms and 8,115,000 bushels, warehoused.

Minneapolis.—Nominal asking prices on raw linseed oil continued to fluctuate in sympathy with the wide range of flaxseed costs last week. At week's end, however, the asking price was generally steady with a week ago at 17.8c. per pound, in tanks, zone 1. A few tankcars were booked at a few points under this quotation but, on the whole, business remained dull. Shipping directions held at about the same level as in the preceding two weeks.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	9,480,000	10,560,000
Since Sept. 1	41,220,000	47,640,000

World production of flaxseed during 1951 may show a slight increase from 1950 and the average prewar output. A preliminary estimate based on data available to the Office of Foreign Agricultural Relations places the crop at about 135,000,000 bushels compared with the revised estimate of 132,000,000 bushels in 1950 and the prewar average of 133,500,000. Increases in Canada and possibly Argentina, which more than offset the decreases in the United States and India, account principally for the indicated expansion from 1950. Canada's crop is estimated at 9,895,000 bushels which is more than double the 1950 outturn, while Argentina's production is placed at 23,000,000 bushels, up 2,000,000 bushels from last year. United States production is estimated at 34,959,000 bushels, a decrease of eleven percent, and India's output is down 1,000,000 bushels to 15,400,000 bushels this year.

Flaxseed—Prices continued to advance sharply under active demand. Offerings were still restricted.

Minneapolis.—Actual receipts of flaxseed against old contracts continued at a good rate here last week but new bookings tapered off a bit until crushers and export interests raised bids to new seasonal high levels. Early in the week, spot and to-arrive cash sales were made as low as $3.93 a bushel. Later, buyers were forced to raise their bids to around $4.15 a bushel to attract new supplies. Purchases in the spot market included around 230 cars of flaxseed, 11 truckloads and only a few thousand bushels of small lots. To-arrive bookings included 130 cars, 25 trucklots and well over 117,000 bushels of small individual lots. Actual receipts of seed, spot bookings as well as arrivals against old contracts, totaled 724 cars as compared with 1,269 cars in the preceding week and 1,026 cars in the same week last year. Shipments totaled 90 cars as compared to 147

Market Trends

Prices Advanced

Castor oil, 2c. per lb.
Corn oil, ¼c. per lb.
Oiticica oil, 1½c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

Candelilla wax, 1c. per lb.
Carnauba wax, crude, No. 3, 7c. per lb.
refined, 4c. per lb.
Yellow, No. 1, 6c. per lb.
No. 2, 6c. per lb.
Cottonseed oil, ¾c. per lb.
Ouricury wax, 1c. per lb.
Palm oil, 1c. per lb.
Peanut oil, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Oct. 6, 1950
167.5	168.3	164.9	117.3	155.3

(For Current Prices see Page 9)

Cottonseed Crush: August

Cottonseed received and crushed and production of cottonseed products during August and July, 1951, as compiled by Bureau of the Census, follows:—

Cottonseed

	August	July
	Tons	
Receipts	554,936	68,052
Crushed	199,035	71,661
Stocks at mills	422,184	66,281

Crude Oil

	Pounds	
Produced	60,200,000	24,271,000
Stocks at mills	17,118,000	7,980,000

Refined Oil

	Pounds	
Produced	40,499,000	24,446,000
Factory and whse. stocks	98,103,000	147,024,000

Cake and Meal

	Tons	
Produced	92,222	32,880
Stocks at mills	57,343	71,045

Hulls

	Tons	
Produced	44,104	16,963
Stocks at mills	18,914	20,157

Linters

	Bales	
Produced	[1]63,819	21,308
Stocks at mills	[2]51,557	38,305

[1] Includes 14,243 bales first cut, 43,740 bales second cut, and 5,836 bales mill run. Average gross bale weights:—Total, 597.9; first cut, 575.3; second cut, 609.3; and mill run, 567.7 pounds.

[2] Includes 23,226 bales first cut, 23,772 bales second cut, and 4,559 bales mill run.

For Late Market Developments, See Page 4

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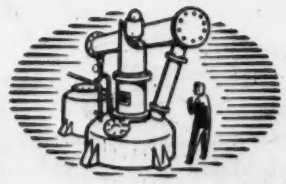
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— produces tougher, better drying varnishes

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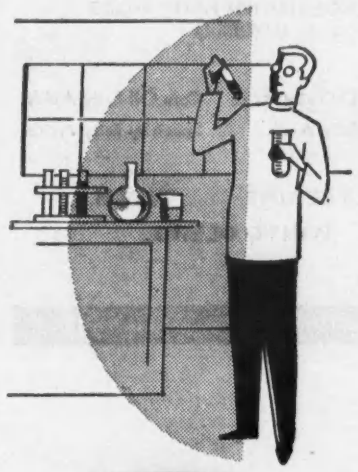

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J. W. STARK CO. Detroit 2, Mich.
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cars in the previous week and 158 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1951-52	1950-51	1951-52	1950-51
Past week	1,187,300	1,793,500	129,200	246,500
Since Sept. 1	6,248,000	6,800,900	1,001,300	1,031,900

Other Vegetable Oils

Castor Dehydrated — Higher cost of beans for replacement at primary centers, was reflected in the oil and all grades were lifted 2c. per pound. Dehydrated bodied was advanced to 37.35c. per pound, unbodied, 36.35c. per pound, and No. 3, 32.50c. per pound, tankcars, New York delivery. Drums were 1¾c. more in carlots.

Coconut—Trading was reported quiet. Crude oil was offered at 13¾c. per pound, tankcars, f.o.b. Pacific coast and 1c. more, New York basis.

Copra—Shipments were maintained at $187.50 per short ton, c.i.f. Pacific coast. Consuming inquiry was quiet.

Corn—Crude oil was firm, with light trading at 15¼c. per pound, tankcars, f.o.b. mills. Refined was quoted at 18¾c. per pound, tankcars, New York basis.

Oiticica—Liquid was raised 1½c. to 25c. to 25½c. per pound, tankcars, prompt delivery, New York. Buying interest was reported inactive. Drums were quoted at 26½c. to 27c. per pound as to quantity.

Olive—Edible oil remained unchanged and steady, despite light trading. Demand was restricted to small lots for immediate delivery at prices ranging from $2.40 to $2.50 per gallon, drums, spot, duty paid, as to quantity. Olive foots were inactive and nominal at 18c. to 18½c. per pound, drums, as to quantity.

Palm—Quiet demand and lower competing oils weakened this market and spot stocks were reduced 1c. to 20c. per pound, drums. Inquiry in futures was fair. Tankcars were quoted at 17½c. per pound, tankcars, December-January delivery New York and at 19c. drums, carlots, same basis.

Peanut—Prices were unsettled by increased offerings. Light sales of crude were reported at 17c. per pound, tankcars, f.o.b. mills. The government released peanuts for about 38 tankcars of oil last week. Refined oil was easier at 19½c. per pound, tankcars, New York.

Rapeseed—Quiet demand kept quotations merely nominal at 24c. per pound, tankcars, New York for prompt delivery.

Margarine Output: August

Margarine production totaled 86,286,000 pounds in August, compared with 70,893,000 pounds in July and 84,129,000 pounds in August, 1950, according to the Census Bureau.

Production, Shipments and Stocks of Oleomargarine

	August	
	Uncolored	Colored
Stocks beginning of month[1]	3,105,000	8,668,000
Production	13,332,000	72,954,000
Shipments	13,708,000	72,380,000
Stocks end of month[1]	2,729,000	9,442,000
Production by type of package[2]:		
One pound:		
Regular (Elgin, Western, etc.)	5,807,000	71,436,000
Bags (plastic)	3,829,000	.....
Bulk:		
Pats or chips	.....	859,000
Over one pound (excluding pats and chips)	3,696,000	330,000

[1] Stocks held at production plants only. Total factory and warehouse stocks at the beginning and end of August were 17,451,000 pounds and 17,022,000 pounds respectively.

[2] The sum of these items does not agree with production shown above because some oleomargarine is not packaged during the same month in which it is produced.

Production of Oleomargarine: Monthly and Annual Totals

	Total	Uncolored	Colored
1951—8 months (Jan.-Aug.)	661,829,000	156,968,000	504,861,000
1950—8 months (Jan.-Aug.)	613,950,000	332,720,000	281,230,000
1950 anual production	936,824,000	437,119,000	499,705,000
1949 annual production	[1]861,762,000	[1]684,516,000	[1]177,246,000
1948 annual production	908,042,000	811,645,000	96,397,000

[1] Revised.

November-December delivery was offered at 22c. same basis.

Soybean—Market was unsettled declining ¼c. Crude oil was sold 13¾c. per pound, tankcars, f.o.b. mills for all positions. Refined oil was held at 16¾c. per pound, tankcars, New York delivery.

Sales and prices of prime crude soybean oil (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended October 5 follow:—

	Sales	Cents per pound		
		High	Low	Close
October	60	13.90	13.65	13.65@13.80
November	2	13.50	13.50	13.65@13.80
December	56	13.90	13.50	13.70@13.80
January	1	13.75	13.75	13.60@13.80
March	46	13.90	13.55	13.77S
May	79	13.90	13.55	13.74@13.80
July	89	13.87	13.55	13.74@13.80
September	2	13.65	13.50	13.61@13.70

Total sales, 337 tankcars and switches.

Tung—Firmer tone prevailed, following

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DETROIT — D. H. Osgood Co.
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KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Docks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — Russell Chemical Co.
PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — B. Ostraff
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ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wells
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improved demand and reduced offerings. Available stocks have been sharply reduced and were closely held at 37c. per pound, tankcars, for October forward delivery, New York. Fairly active business was reported at ½c. less for prompt delivery. Drums were maintained at 38½c. per pound, carlots and 39c. for lesser quantities.

Fats and Greases

Greases—Buying interest was restricted last week and quotations were more or less nominal. Yellow grease was unchanged and sold at 7⅛c. per pound, tankcars, f.o.b. works. Choice white was steady at 9⅛c. same basis.

Lard—Trading was reported moderate for domestic and export delivery. Prices were steady and fractionally higher.

Tallow—Business was reported light and spotty. Domestic demand was confined to limited quantities for prompt needs, while export inquiry was spasmodic. Fancy was moved at 9⅜c. per pound and extra at 9⅛c., tankcars, f.o.b. works.

Animal Oils

Oleo stearine was firmer and advanced 1c. to 18c. per pound, barrels, New York. Oleo oil also was firm and maintained at 23c. per pound, drums. Grease oils were quiet and quotably unchanged. Neatsfoot oil remained firm and in limited supply.

Fish Oils

Refined—Strength of crude oil, continued to exert a firm tone in refined grades, despite quiet demand. Light pressed was maintained at 15½c. per pound, tankcars and alkali refined at 17c., same basis. Crude menhaden oil was well held at 11½c. per pound, tankcars, Baltimore with light sales reported at this figure. Crude sardine was firm at 12c. per pound, tankcars, f.o.b. Pacific coast. Last sales were noted at this level.

Los Angeles.—With the start of the Southern California pilchard season on October 1, all previous tonnage landing records were broken for the first night when boat operators returned with an excess of 9,000 tons of sardines. This total equals entire tonnage figures for the San Francisco-Monterey Bay areas to date for this season, which began August 1. There are two factors involved: Either the "catch" will be entirely in Southern California waters this year or the success at the opening of the season is due to the fact that such a substantial fleet is in the territory, with over fifty vessels extra down from as far north as Seattle. Some 20 to 25 cars of crude sardine oil traded at 11.75c. per pound, f.o.b. San Pedro, followed by sales approximating 15 cars at 12c. per pound. Fishing developments are presently holding further trading in abeyance. Mackerel oil quoted nominally at 9c. per pound, f.o.b. San Pedro, with no offerings at present. Tuna oil quoted 8.75c. per pound, f.o.b. San Pedro. With the fleet involved primarily in sardine fishing currently, only limited tuna oil production is expected to come out of the San Diego Bay area.

Cake and Meal

Cottonseed Meal—Demand for meal was fair. Seed was moving to the mills in good volume in the southeast. Forty-one percent loose slab cake was moved in the Mississippi Valley at $65 per ton October-November shipment. Forty-one percent sacked meal was offered at $73 per ton Memphis and $69 Alabama, Georgia and South Carolina mills, October through December shipment.

Linseed Meal—Moderate volume of trading took place for immediate delivery. Market was steady for nearby months.

Minneapolis—A fair amount of linseed meal business for nearby months was accomplished here the past week. Steadily advancing flaxseed costs prompted some forward interest, but bulk of the bookings were for nearby months. Shipping directions were slightly better than a week ago, and best of the new-crop season to date. Extracted linseed meal for October-March was priced around $64 per ton, bulk, in carlots, f.o.b. Minneapolis. Expeller linseed meal was quoted at $66 for spot delivery, $65.50 for November, and $64 for December-March.

Peanut Meal—Stocks of peanut meal were low but the government was releasing more peanuts for crushing which will increase the supply. Market was nominal at $78 per ton Georgia points, October shipment. Last week the government released peanuts to produce approximately 800 tons of meal. Forty-five percent solvent meal was sold at $75 per ton South Alabama, October shipment.

Soybean Meal—Immediate shipment still commanded $74 per ton bulk, Decatur, but scattered October-November shipments sold at quite a discount. The supply of soybean meal is not too plentiful but seems to be ample for the current demand. Last half October bulk meal was offered at $68 per ton Decatur, but interest is lacking. Southeastern production sacked meal was in fair demand at $78 to $80 per ton f.o.b. Mississippi Valley points, October shipment.

Waxes

Beeswax—Business was restricted to actual needs. Refined grades were quotably unchanged, despite the easiness of African crude.

Candelilla—Business was reported slow.

Soybean Crush: August

Soybeans received and crushed and production of soybean oil and meal during August and July, 1951, as compiled by the Bureau of the Census, follows:—

Soybeans

	August	July
	Tons	
Receipts	174,408	212,914
Crushed	564,250	532,757
Stocks at mills	291,321	661,172

Crude Oil

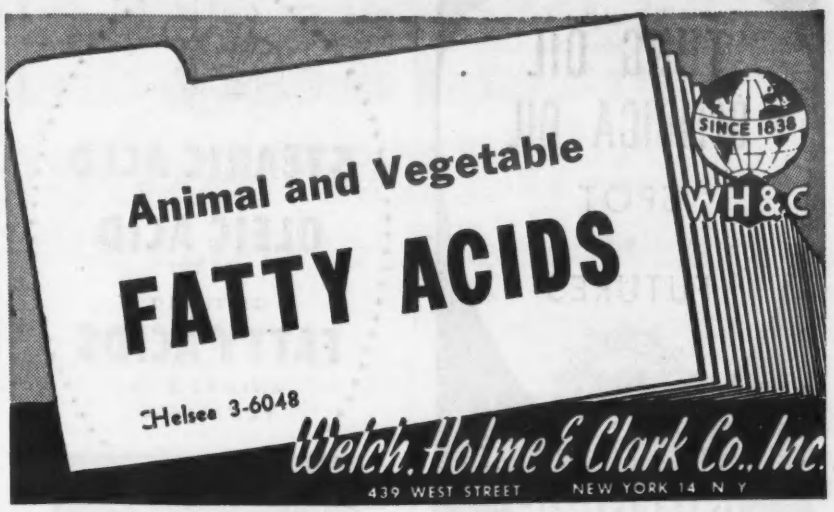
	August	July
	Pounds	
Produced	187,910,000	176,357,000
Stocks at mills	44,503,000	47,664,000

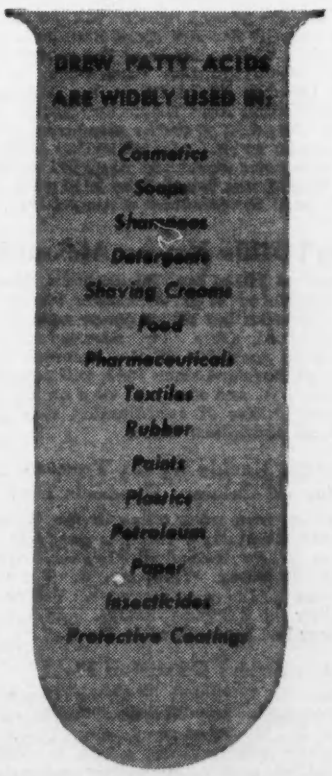
Refined Oil

	August	July
	Pounds	
Produced	154,263,000	120,792,000
Factory and whse. stocks	85,236,000	95,343,000

Cake and Meal

	August	July
	Tons	
Produced	440,644	411,813
Stocks at mills	66,427	106,550





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CHEMICAL DATA

PRODUCT	TYPE	FFA	TITRE °C	IODINE VALUE	ACID VALUE	SAP. VALUE	COLOR
AB	Distilled-Fractionated Coconut Fatty Acid	126-132	24-28	8-16	250.6-262.5	250.6-262.5	20.0/3.0
AAB	85-90% Lauric Acid	139-144	37.0 Min.	3.0 Max.	277-286.4	277-286.4	15.0/2.0
ABL	70% Lauric Acid	138-141	30.0 Min.	5.0 Max.	274.4-280.4	274.4-280.4	20.0/3.0
ABH	Distilled-Fractionated Hydrogenated Coconut Fatty Acid	126-132	29	3.0 Max.	250.6-262.5	250.6-262.5	15.0/2.0
AAAR	Distilled Coconut Fatty Acids	123-128	30.0 Max.	16-22	245-255	245-255	35.0/5.0
Caprylic Acid	Caprylic Acid—65% Caprylic Acid—82%	184 191		2.0 Max.	366 380	366 380	10.0/2.0
Wecoline S	Double Distilled Soya Fatty Acid	99-102	22-24	125-140	196.9-203	196.9-203	10.0/1.5
Wecoline S-2	Distilled Soya Fatty Acid	99-107	24-28	105-125	196.9-212.8	196.9-212.8	35.0/10.0
Wecoline L	Double Distilled Linseed Fatty Acid	99-101	22.0 Max.	175-192	196.9-200.8	196.9-200.8	10.0/1.5
Wecoline C	Coffeeseed Fatty Acids	98-103	34-38	95-110	196-206	196-206	30.0/8.0
Wecoline 90	Double Distilled Oleic Fatty Acid	98-101	8.0-10.0	85-93	194.9-200.8	194.9-200.8	10.0/1.5

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Crude ranged from 75c. to 77c. per pound, and refined 78c. to 80c. pound, according to quantity.

Carnauba—Prices broke sharply in the local market under liberal offerings. The biggest decline occurred in No. 3 crude which dropped 7c. per pound, and trading took place at 98c. to $1 per pound, depending upon quantity and seller. Refined also was easier and was quoted at $1.05 to $1.07 per pound. No. 1 yellow declined to $1.15 to $1.17 per pound as to quantity and No. 2 to $1.13 to $1.15, same basis. Trading was fairly active at the decline, chiefly for moderate quantities.

Ouricury—Refined was easy, reflecting the weakness of carnauba. Prices ranged from 81c. to 83c. per pound, as to quantity.

Petroleum Delivery, Use Powers Outlined by PAD

The Petroleum Administration for Defense issued regulation No. 1 October 1, setting up the authority for the issuance of directive to control the delivery and use of petroleum, gas or other products within the jurisdiction of the agency.

The regulation states that where a directive, or an amendment or supplement thereto, is issued it shall take precedence over the provisions of any general order, regulation, direction, or other action of the agency, over the provisions of any contract, and over the provisions of any rate schedule, tariff, regulation or order of any regulatory body.

The regulation relieves parties to contracts or rate schedules from liability for defaulting on their contracts, etc., when it is the result directly or indirectly from compliance with a directive.

Matthaei Joins Gerdau Co. As Fats and Oils Manager

Raymond D. Matthaei, identified with the fats and oils business for the past nineteen years, has joined Gerdau Company, New York, as manager of its fats and oils division.

For the past nine years Mr. Matthaei has managed the trading department of Smith-Weihman Company, New York. He was secretary of Pompeian Olive Oil Corporation, Baltimore, Md., for ten years, and its wholly-owned subsidiary, Laco Products, Inc., Mr. Matthaei handled purchases of all raw materials, supervised production and finances and was also partly responsible for sales.

Standards Medal to Agnew

The first award of an annual gold standards medal has been made to Dr. Paul G. Agnew, consultant to the American Standards Association. Formal presentation of the medal, which will be given each year by the American Standards Association, will be made at the second national standardization conference, to be held October 22 to 24 at the Waldorf-Astoria hotel, New York. Dr. Agnew has spent forty-five years in standards work. He served as first administrative head of the American Standards Association from the time it was founded in 1919 until his retirement to consultant status in 1947.

Gen'l Mills Names Alexander

General Mills, Inc., Minneapolis, Minn., has appointed F. M. Alexander senior local executive for all company operations at Rossford, Ohio. Mr. Alexander, who has been manager of the Larrowe feed plant at Rossford since 1945, will continue in that post and also will take on the additional duties of coordinating feed and soybean operations there.

Georgia Marble Opens Trenton Office of Calcium Products Div.

The eastern sales office of the Georgia Marble Company's calcium products division is now located at 605 Broad Street Bank Building, Trenton, N. J., with Thomas N. Loser as manager. Telephone number is TRenton 2-3534. Ashton E. Garner has been added to the staff.

Stokes Enters Extrusion Field

The F. J. Stokes Machine Company, Philadelphia, has completed negotiations with R. H. Windsor & Co., Ltd., for handling and servicing a line of plastics extruding and compounding equipment. Service and parts for the new Stokes-Windsor extruders will be handled at the Stokes newly-enlarged plant.

Phillips Joins Deep Rock

John E. Phillips has joined Deep Rock Oil Corporation as area landman for the Wichita, Kan., office. Mr. Phillips was employed by Stanolind Oil & Gas Company, Tulsa, Okla., for three years before joining Deep Rock.

Natural Gasoline Industry Growth in US Reported

More than 200 applications for priorities assistance of various kinds from the natural gasoline industry have been approved by the Petroleum Administration for Defense, Richard P. Walsh, director of the natural gas production and processing Division, said October 5. Of the projects approved, Mr. Walsh said, addressing the California Natural Gasoline Association in Los Angeles, twenty are completely new natural gasoline plants. Another thirty projects call for substantial additions to existing plants.

"Upon completion of these approved projects," Mr. Walsh said, "approximately 86,000 barrels of light hydrocarbons will be added to our daily production. The cost of these projects now underway is approximately $90,000,000."

These figures are particularly impressive, Mr. Walsh pointed out, in view of the fact that national production of the light hydrocarbons at the beginning of World War II was only about 221,000 barrels a day. Production of liquefied petroleum gas, which has been increasing 25 percent a year for the past several years, is also still on the upgrade, Mr. Walsh said.

New York ASTM Meeting To Hear Fuller Oct. 26

The New York district council of the American Society for Testing Materials will hold a meeting on "Solvent Problems in Materials" October 26 at 7:30 p.m. at the Engineering Societies Building, 29 West 39th street, New York. Guest speaker will be T. S. Fuller, ASTM president and engineer in charge of the works laboratory, General Electric Company, Schenectady, N. Y.

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1—Devine #7 Vacuum Shelf Dryer, 13 shelves 40 x 43.
2—Buflovak Double Drum Dryers 32" x 90" complete.
1—Devine Rotary Vacuum Dryer, 2' x 8'.
2—Buflovak Vacuum Drum Dryers, 5' x 10' with all accessories.
1—6' x 50' Louisville welded shell Rotary Steam Tube Dryer with two rows, 54 tubes. Also two 6' x 27' Davenport, same type.

MIXERS

4—Baker Perkins, jack. Mixers, 3,000 gal., size 30, type X.
1—100 gal. jack. W. & P. Mixer, heated blades.
10—Baker Perkins, jacketed, heavy duty, 10 gal. to 500 gals.
1—50 gal. jacketed W. & P. Mixer, M.D.

FILTERS & FILTER PRESSES

1—Sperry, iron, steam heated, 30" x 30", 30 chambers.
6—Shriver & Johnson 30 x 30 iron plate and frame, 35-40 chambers each.
1—36" Sperry C. I. FILTER PRESS, recessed, open delivery, 60 chambers, 1½" ea., pump, explosion-proof motor.
1—8' x 12' ALL STAINLESS STEEL Feinc Rotary Continuous Vacuum Filter, string discharge, with blankets and STAINLESS STEEL trough, repulper, receivers, vacuum pump, motors, reducers, etc. ETAO #387.
1—8' x 12' Oliver Lead-Wood Vacuum Filter, Acid-Resisting.
3—Oliver Vacuum Filters, incl. 8 x 12', 11'6 x 14', 11'6 x 18'.
2—ALUMINUM Sperry FILTER PRESSES: 1—30" x 30" 45 chambers, 1—24" x 24" Plate and Frame, 24 chambers.
1—#12 Sweetland Filter, 36 leaves on 4" centers.
1—Kilby 39x39 CI Filter Press, open delivery.
1—#5 Sweetland, Stainless Steel Lined, with 30 stainless steel leaves, on 2" centers.

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2—STAINLESS STEEL 347 Distillation Columns, 31½" dia. x 17' high—15 bubble cap plates, 24 caps per bubble.
1—Copper Rectifying Column, 6 sections, 30" dia. x 33' high, bubble cap type.
6—Ross 20 gal. heavy duty Pony Mixers.
1—Abbe 175 gal. Buhrstone-Lined Pebble Mill,
15—Dry Powder Mixers and Blenders, rotary and horizontal ribbon type, 100 to 5000 lb.
1—Pneumatic Scale Automatic Packaging Unit, incl. Tight Wrap, 32 per minute.
4—All STAINLESS STEEL No. 71 Day "ROBALL" Sifters, 40" x 84".
4—Swenson-Walker, jacketed, Crystallizers.
1—5' x 16" Hardinge Ball Mill, iron lined.
1—6" x 15" Sturtevant Jaw Crusher—to ½".
1—30" x 16" Set Sturtevool Crushing Rolls, balanced type.
1—5-Roll Raymond High Side Pulverizer.
1—Stokes DD 2 Rotary Tablet Machine, Reeves drive and motors.

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SPECIAL: 6—Stainless Steel Steam Jacketed Filters with Stainless Steel Screens—used one month—like new.
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Philadelphia 2 Speed Reduction Drives; Ratio 20.1:1; Output 87/29; H.P. 2/.67; RPM 1150/560.

Manton Gaulin Nickel Homogenizer Type 400 with 20 HP motor.

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LOCATION, N. Y. C.

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EQUIPMENT for CHEMICAL AND ALLIED INDUSTRIES

2—Swenson - Walker Stainless Steel Type 316 Crystallizers with drives, each section 40'.

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2—Sharples Stainless Steel Centrifuges, Model 16Y.

2—Mikro Stainless Steel Atomizers, #5 & #6.

1—Shriver 42" x 42" Everdur #1000 Plate & Frame Filter Press, closed delivery 4 eye, 41 chambers.

4—Shriver Skeletons, 56".

1—Shriver 36" x 36" Jacketed Cast Iron Filter Press, 48 Chambers.

1—Sperry 42" x 42" Plate & Frame Wooden Filter Press, closed delivery, 54 chambers.

3—Shriver 36" x 36" Cast Iron Filter Press, closed delivery, 25, 26 & 35 chambers.

1—C. E. Rogers 6' Stainless Steel Vacuum Pan.

2—Sperry Aluminum Plate & Frame Filter Presses, 18" x 18", 9 & 22 chambers.

1—Sperry 18" x 18" Bronze Plate & Frame Filter Press, closed delivery, 21 chambers.

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2—Buflovak Vacuum Drum Dryers, 24" x 20".

1—Louisville Rotary Steam Tube Dryer, 6' x 50'.

8—Dowington Stainless Steel Heat Exchangers, 500 sq. ft. each.

4—Richmond Engr. Heat Exchangers, 800 sq. ft. each.

4—Ingersoll Rand Brass Heat Exchangers, 580 sq. ft. each.

1—Mikro Stainless Steel Pulverizer, #2TH.

1—Mikro Pulverizer, #1SH.

2—Orville Simpson Rotex Screens, #41.

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UNION, N. J. Est. 1886 Unionville 2-4900

PUMPS

2—American Hard Rubber centrifugal pumps, 1½ x 1¼, unused, ½ and ¾ HP.

5—Olivite rubber-lined centrifugal pumps, 2" up to 6".

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4—Ingersoll Rand jet ejectors, Size 30-38725.

4—Sump or deep well pumps, 1" and 2".

1—Waukashau s/s Size 10 sanitary rotary pump, 1 HP.

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1—Shriver block tin diaphragm pump, 15 GPM.

1—Quimby #4 s/s jacketed screw pump.

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SAMPLE OF A FEW OF OVER 600 PUMPS IN STOCK

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Cooler	2	Copper	70/30 Cu-Ni	1483
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289-10th ST., BKLYN 15, N. Y.

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2—Procter & Schwartz 6 fan automatic conveyor Dryers; 2 Roll Chilling Unit, 48" & 14" dia.
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12—Steam, gas & elect. Dryers. Tray Truck & conveyor Types.
8—Rotary Dryers. Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers built to order.
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8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges, 2 HP, also No. 6.
2—De Laval Multi Clarifiers, 300 & 301.

FILTERS

4—SPERRY 36" CORNER FEED IRON FILTER PRESSES.
10—Sperry and Shriver 12", 18", 24", 30", 32" & 36" iron and wood filter presses.
1—12" Bronze Filter Press.
Extra 36" Iron Sperry Plates & Frames.
Sweetland & Oliver Vac. Filters.
4—Vallez type 49RS, 41 Stainless covered, Leaf Rotating Filters.

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Devine 1,000 gal. closed Jack.-Steel Kettle.
1—500 gal. Closed Jack Steel Kettle.
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1—Struthers-Wells 10 gal. Jack. Agit. Autoclave 5 HP motor.
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New Stainless Tanks, 50 to 5,000 gals.
Copper Varnish Kettles, 150 to 300 gals.

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Ball & Jewel #0 Rotary Cutter, 3 HP.
1—Leominster #0 Rotary Cutter, 1 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40".
1—Monarch 9"x36" Double Roll Steel Roller Mill. Also 9" x 24", 3 pr. high.
1—9"x24" 1 Pr. High Steel Roller Mill.
3—Abbe Pebble Mills, 6'x8', 3'x3½' & 24"x30".
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Baker Perkins Double Arm Mixers, 200 & 9 gals. Also Single Arm Mixers.
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1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,500 lbs.
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15—Portable Elec. Mixers, ¼ to 2 HP.
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1—Jeffrey 1 deck 18"x48" conveyor screen.
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4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
6—French Oil Motor Driven Expellers. Impreg. Units, Lab or Pilot plant and up.
2—Stokes 2E Paste Fillers.
3—Stokes and Day Powder Fillers.
1—Standard Samco Jr. Vac. Filler.
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2—Worth 12"x12"x12" Vac. Pumps.
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Soap Machinery for Toilet, Laundry, etc. Centrif., Rotary, Duplex & Triplex Pumps, Conveyors & Elevators.

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RELIABLE SOURCE

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1—Buflovak 6' dia. Vac. Crystallizer.
3—Alum. 36" dia. Bubble Cap Columns.
7—Filter Presses C.I., 12" to 42".
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4—Selectro Vibrating Screens, 2' x 7', enclosed, stainless steel, two deck.
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1—Mikro Pulverizer: #2-SI.
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1—Rotary Vacuum Filter, 8' x 8', acid proof, precoat.
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Former ALCOHOL PLANT
Capacity 1200 W.G. of 190 Proof Alcohol per Day
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SYNTHETIC RESIN PLANT
LOCKPORT, N. Y.

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1—450 gal. stainless steel-lined jacketed, agitated KETTLE, m.d.
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1—40" x 7' rubber-lined TANK.
1—Syntron Barrel Shaker, Type V200.
5—PORTER ¼ HP, Type V-153 Agitators.
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1—Link Belt Monel 2'7" x 8' Roto-Louvre Dryer.
4—Patterson, Abbe 6' x 10', 6' x 8' Ball & Pebble Mills.
1—Baker Perkins Type JNM 100-gal. Double Arm Jacketed Mixer.
1—1,000-gal. Steel Jacketed, Agitated Kettle, 50# jacket, 30# internal pressure.
2—Vallez #49 Pressure Filters, 41 St. St. covered leaves, 738 sq. ft. filtering area.
1—5' x 6' St. St. Single Drum Flaker with 2 feed rolls.
1—Allbright-Nell 60" x 80" Flaker.
2—Bird 36", x 50" Continuous Centrifuges, rubber covered.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—Raymond 4' dia. Mechanical Air Separator.
1—Oliver 3' x 4' Steel Precoat Rotary Vac. Filter.
1—Raymond 3-Roll High Side Mill with double whizzer separator, oil journals.
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1—Link Belt 70'6" centers Bucket Elevator, 40" x 13" steel casing, 8" x 5" M. I. buckets, motor driven.
1—Jeffrey 52' centers Bucket Elevator, 19" x 42" steel casing, 8" x 5" M. I. buckets.
1—Jeffrey 44' centers Bucket Elevator, 16" x 42" steel casing, 10" x 6" M. I. buckets.
1—Link Belt 36' centers Bucket Elevator, 16" x 42" steel casing, 10" x 6" M. I. buckets.

2—OLIVER 8' x 10' MONEL ROTARY VACUUM FILTERS WITH REPULPERS, RECEIVERS, DRIVES AND MOTORS.
1—FEINC 8' x 12' STEEL ROTARY VACUUM STRING FILTER WITH RECEIVERS, DRIVES, ETC.
2—EIMCO 3' x 1' STAINLESS STEEL ROTARY VACUUM FILTERS WITH REEVES DRIVES AND MOTORS.

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Vacuum Pans: 6' stain. steel, 5' copper.
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Hammer Mills: Prater, Raymond, JayBee.
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Oil Purifier: De Laval No. 600, 2 hp. motor.
Autoclave: 10 gal. Buflovak, cast iron.
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Write or contact Box 122, Oil, Paint and Drug Reporter 30 Church Street, New York 7, N. Y.

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1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Read Lab S.S. Motor Driven Dough Mixer, sigma blades.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

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DElaware 2-6695-6

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Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
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Baker Perkins Mixers, Style VIH, jktd., tilting, 100 gal. working capacity.

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Surplus Chemicals

SOLVENTS WAXES OILS
RESINS DRUGS ETC.

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